

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072619\
 Data File : VN056931.D
 Acq On : 25 Jul 2019 20:04
 Operator : JC/SP
 Sample : K3591-07 2.5PPB LOD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

Quant Time: Jul 26 04:54:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 26 04:47:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	448152	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	690730	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	574916	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	172253	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	232172	50.07	ug/l	0.00
Spiked Amount			Recovery	=	100.14%	
35) Dibromofluoromethane	7.57	113	210849	47.84	ug/l	0.00
Spiked Amount			Recovery	=	95.68%	
50) Toluene-d8	10.08	98	782292	46.75	ug/l	0.00
Spiked Amount			Recovery	=	93.50%	
62) 4-Bromofluorobenzene	12.40	95	215359	39.41	ug/l	0.00
Spiked Amount			Recovery	=	78.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.84	85	9201	1.905	ug/l	97
3) Chloromethane	2.05	50	13347	2.311	ug/l	93
4) Vinyl Chloride	2.18	62	12374	2.275	ug/l	96
5) Bromomethane	2.55	94	10694	3.251	ug/l	98
6) Chloroethane	2.69	64	7161	2.372	ug/l	94
7) Trichlorofluoromethane	3.00	101	17006	2.399	ug/l	91
8) Diethyl Ether	3.40	74	6750	2.543	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	10739	2.466	ug/l	96
10) Methyl Iodide	3.94	142	11646	1.820	ug/l #	93
11) Tert butyl alcohol	4.73	59	5243	7.837	ug/l #	74
12) 1,1-Dichloroethene	3.72	96	9825	2.336	ug/l	98
13) Acrolein	3.60	56	4866	12.979	ug/l	97
14) Allyl chloride	4.31	41	15323	2.246	ug/l	97
15) Acrylonitrile	4.98	53	22040	11.448	ug/l	99
16) Acetone	3.80	43	18492	11.677	ug/l	94
17) Carbon Disulfide	4.03	76	24998	2.207	ug/l	99
18) Methyl Acetate	4.31	43	13826	2.494	ug/l #	74
19) Methyl tert-butyl Ether	5.02	73	29472	2.383	ug/l	91
20) Methylene Chloride	4.53	84	12751	2.543	ug/l	93
21) trans-1,2-Dichloroethene	5.02	96	6287	1.397	ug/l	87
22) Diisopropyl ether	5.94	45	34188	2.460	ug/l	96
23) Vinyl Acetate	5.88	43	108946	11.381	ug/l	99
24) 1,1-Dichloroethane	5.83	63	20307	2.487	ug/l	98
25) 2-Butanone	6.82	43	12858	5.275	ug/l	99
26) 2,2-Dichloropropane	6.80	77	13287	2.218	ug/l	96
27) cis-1,2-Dichloroethene	6.81	96	11737	2.285	ug/l	94
28) Bromochloromethane	7.18	49	8730	2.317	ug/l #	97
29) Tetrahydrofuran	7.20	42	18988	11.888	ug/l	97
30) Chloroform	7.36	83	20961	2.493	ug/l	92
31) Cyclohexane	7.64	56	24157	3.040	ug/l #	57
32) 1,1,1-Trichloroethane	7.55	97	16217	2.408	ug/l	95
36) 1,1-Dichloropropene	7.78	75	14479	2.293	ug/l	97
37) Ethyl Acetate	6.92	43	8871	1.734	ug/l #	94
38) Carbon Tetrachloride	7.76	117	13654	2.273	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.07	83	17409	2.262	ug/l	96
40) Benzene	8.03	78	47178	2.396	ug/l	99
41) Methacrylonitrile	7.16	41	4907	2.180	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	15167	2.494	ug/l	98
43) Isopropyl Acetate	8.15	43	19069	2.265	ug/l #	90
44) Trichloroethene	8.83	130	12018	2.237	ug/l	94
45) 1,2-Dichloropropane	9.11	63	12356	2.335	ug/l	89
46) Dibromomethane	9.20	93	7209	2.260	ug/l	98
47) Bromodichloromethane	9.39	83	13279	2.131	ug/l	96
48) Methyl methacrylate	9.19	41	9351	2.314	ug/l	92
49) 1,4-Dioxane	9.19	88	4053	47.893	ug/l #	70
51) 4-Methyl-2-Pentanone	9.98	43	57044	11.396	ug/l	95
52) Toluene	10.15	92	27290	2.311	ug/l	97
53) t-1,3-Dichloropropene	10.37	75	12736	2.028	ug/l	94
54) cis-1,3-Dichloropropene	9.83	75	15073	2.038	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	10787	2.279	ug/l	96
56) Ethyl methacrylate	10.42	69	13363	2.100	ug/l	99
57) 1,3-Dichloropropane	10.70	76	18546	2.394	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	25157	10.029	ug/l	99
59) 2-Hexanone	10.74	43	36950	10.767	ug/l	99
60) Dibromochloromethane	10.89	129	9956	2.070	ug/l	98
61) 1,2-Dibromoethane	11.00	107	10578	2.251	ug/l	98
64) Tetrachloroethene	10.62	164	14171	2.698	ug/l	92
65) Chlorobenzene	11.43	112	29443	2.448	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.50	131	10143	2.267	ug/l	96
67) Ethyl Benzene	11.50	91	47150	2.277	ug/l	94
68) m/p-Xylenes	11.62	106	33492	4.337	ug/l	94
69) o-Xylene	11.94	106	17658	2.337	ug/l	96
70) Styrene	11.96	104	24280	2.028	ug/l	96
71) Bromoform	12.12	173	6033	1.942	ug/l #	99
73) Isopropylbenzene	12.24	105	44037	Below Cal		99
74) N-amyl acetate	12.06	43	12622	2.743	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.50	83	13506	2.990	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	14579	4.227	ug/l #	100
77) Bromobenzene	12.52	156	11136	2.780	ug/l	98
78) n-propylbenzene	12.59	91	42932	2.593	ug/l	100
79) 2-Chlorotoluene	12.67	91	29189	2.832	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	35937	2.776	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	96653	88.387	ug/l #	13
82) 4-Chlorotoluene	12.77	91	23860	2.519	ug/l	99
83) tert-Butylbenzene	12.99	119	32294	2.831	ug/l	98
84) 1,2,4-Trimethylbenzene	13.03	105	32503	2.651	ug/l	99
85) sec-Butylbenzene	13.17	105	39370	2.729	ug/l	99
86) p-Isopropyltoluene	13.28	119	34118	2.677	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	14445	2.410	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	13514	2.354	ug/l	84
89) n-Butylbenzene	13.61	91	22637	2.299	ug/l	97
90) Hexachloroethane	13.87	117	6342	2.811	ug/l	80
91) 1,2-Dichlorobenzene	13.65	146	15325	2.524	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	1595	2.587	ug/l	90

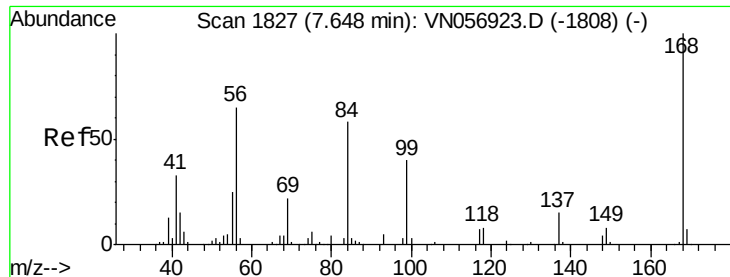
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	3945	1.573	ug/l	98
94) Hexachlorobutadiene	15.00	225	6938	2.831	ug/l	98
95) Naphthalene	15.12	128	10950	1.726	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.29	180	4580	1.681	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN056931.D

Acq: 25 Jul 2019 20:04

Instrument :

MSVOA_N

ClientSampleId :

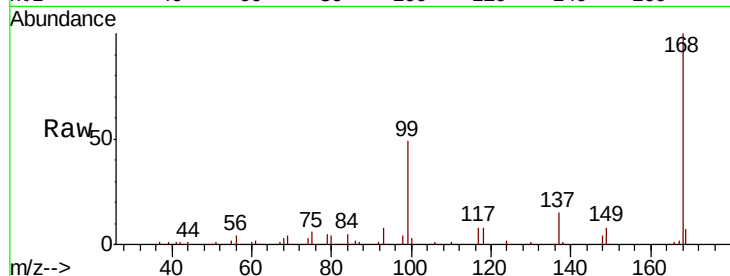
LOD-MDL-WATER-01-QT3-2019

Tot Ion:168 Resp: 448152

Ion Ratio Lower Upper

168 100

99 48.4 38.6 58.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

200000

150000

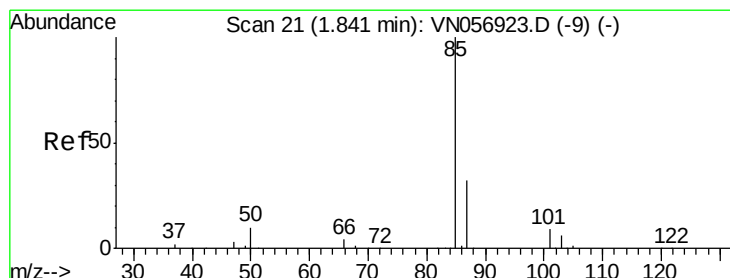
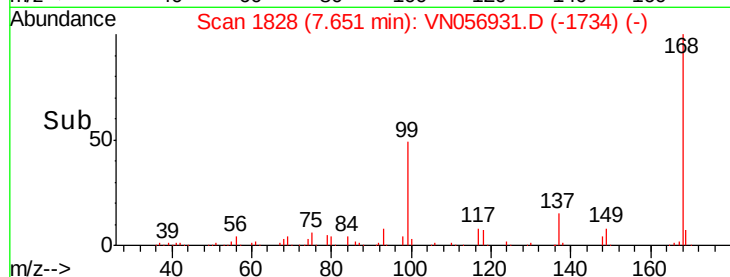
100000

50000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 1.905 ug/l

RT: 1.84 min Scan# 21

Delta R.T. -0.00 min

Lab File: VN056931.D

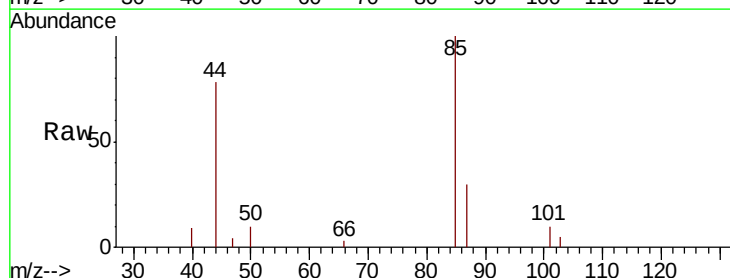
Acq: 25 Jul 2019 20:04

Tgt Ion: 85 Resp: 9201

Ion Ratio Lower Upper

85 100

87 30.4 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.84

8000

6000

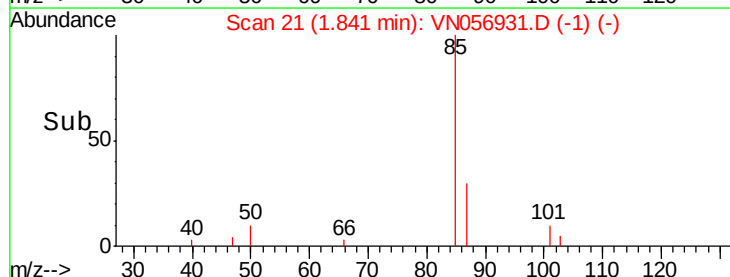
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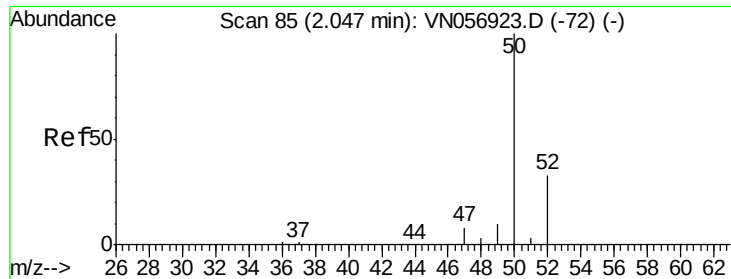
2000

0

1.80 1.85 1.90

Time-->

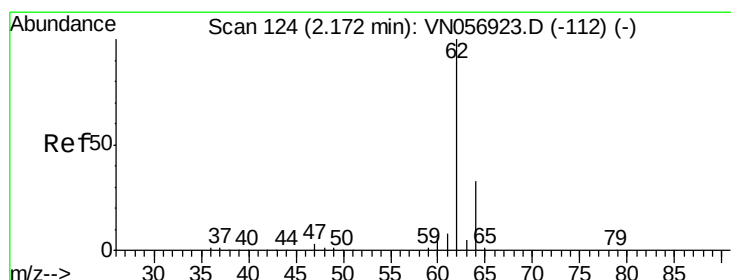
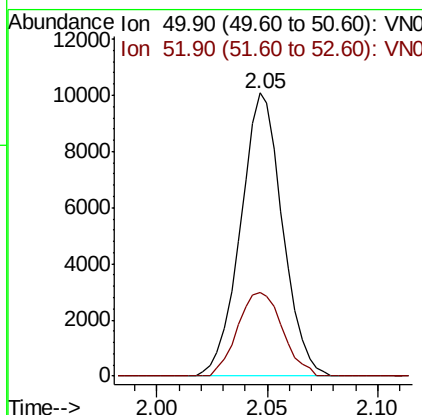
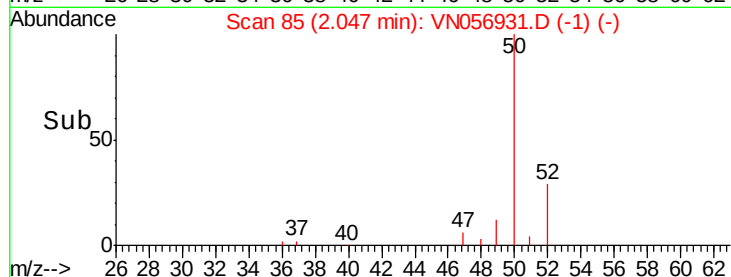
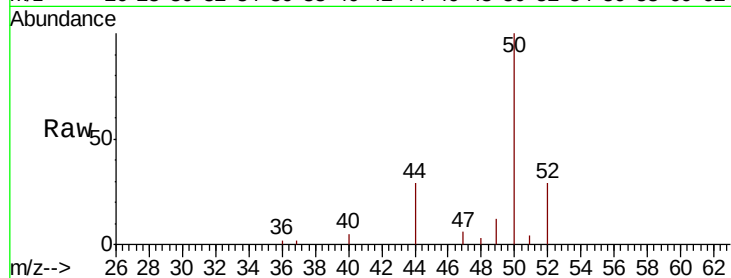




#3
 Chloromethane
 Concen: 2.311 ug/l
 RT: 2.05 min Scan# 85
 Delta R.T. -0.00 min
 Lab File: VN056931.D
 Acq: 25 Jul 2019 20:04

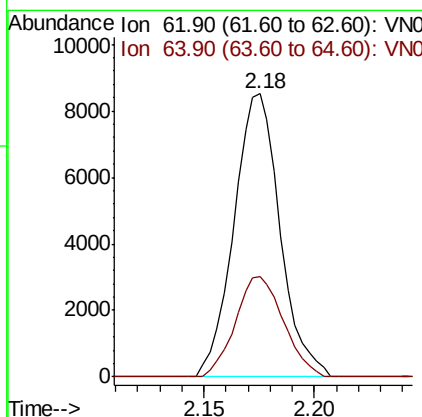
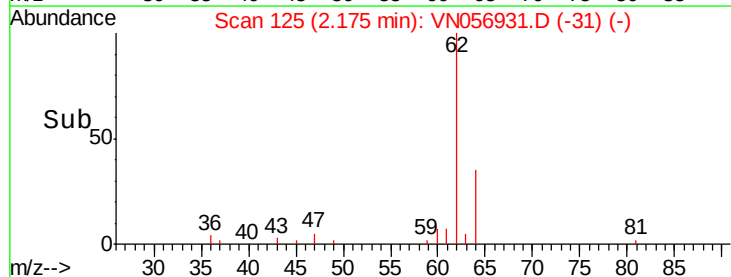
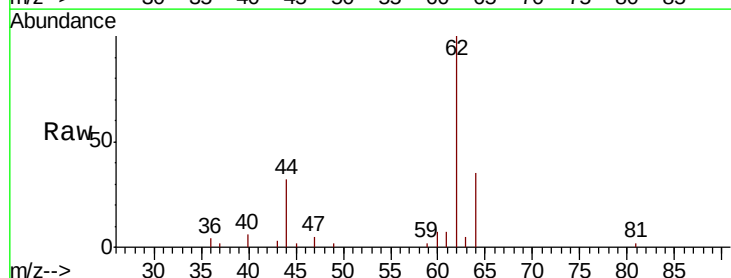
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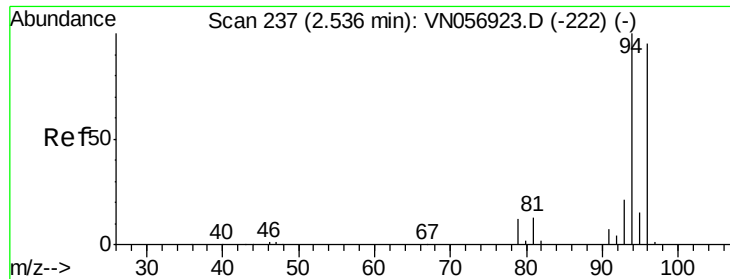
Tot Ion: 50 Resp: 13347
 Ion Ratio Lower Upper
 50 100
 52 29.5 26.8 40.2



#4
 Vinyl Chloride
 Concen: 2.275 ug/l
 RT: 2.18 min Scan# 125
 Delta R.T. 0.00 min
 Lab File: VN056931.D
 Acq: 25 Jul 2019 20:04

Tgt Ion: 62 Resp: 12374
 Ion Ratio Lower Upper
 62 100
 64 35.2 26.4 39.6

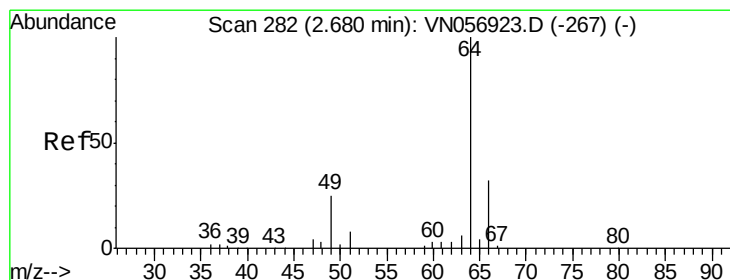
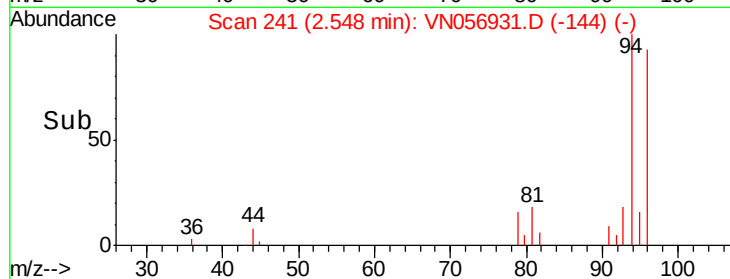
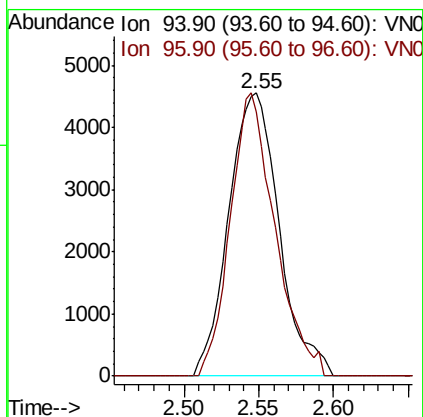
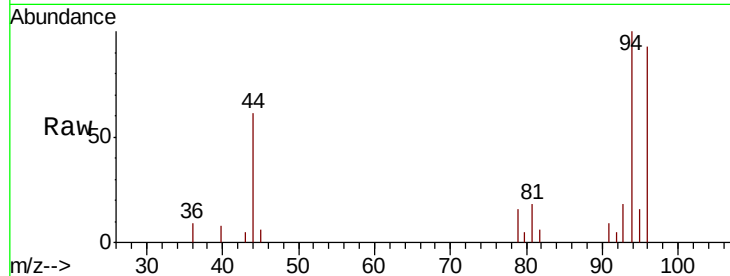




#5
Bromomethane
Concen: 3.251 ug/l
RT: 2.55 min Scan# 241
Delta R.T. 0.01 min
Lab File: VN056931.D
Acq: 25 Jul 2019 20:04

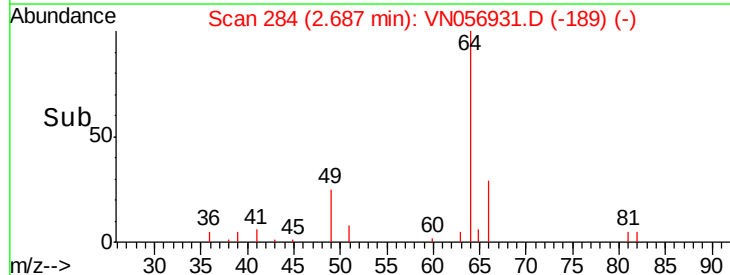
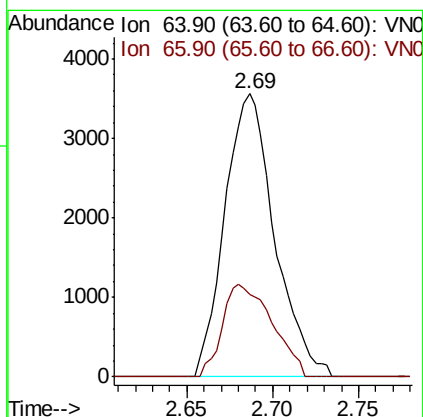
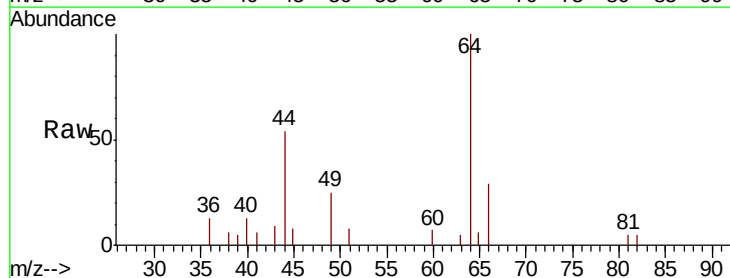
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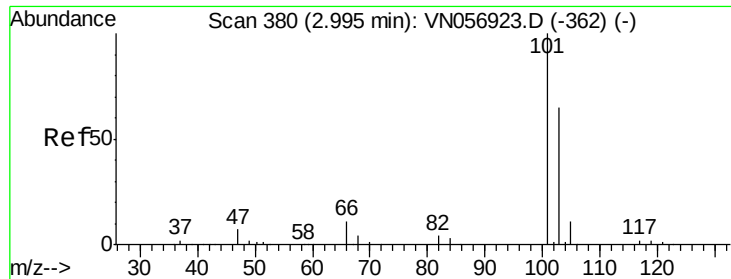
Tot Ion: 94 Resp: 10694
Ion Ratio Lower Upper
94 100
96 93.1 75.7 113.5



#6
Chloroethane
Concen: 2.372 ug/l
RT: 2.69 min Scan# 284
Delta R.T. 0.01 min
Lab File: VN056931.D
Acq: 25 Jul 2019 20:04

Tgt Ion: 64 Resp: 7161
Ion Ratio Lower Upper
64 100
66 28.9 25.8 38.6



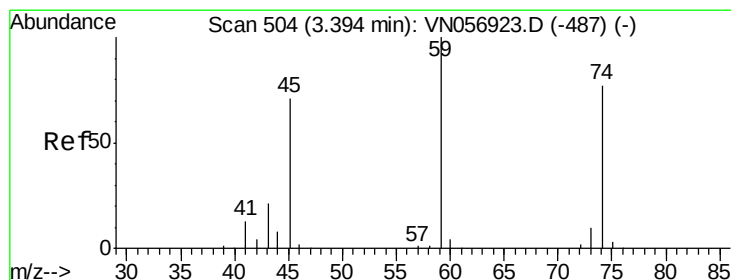
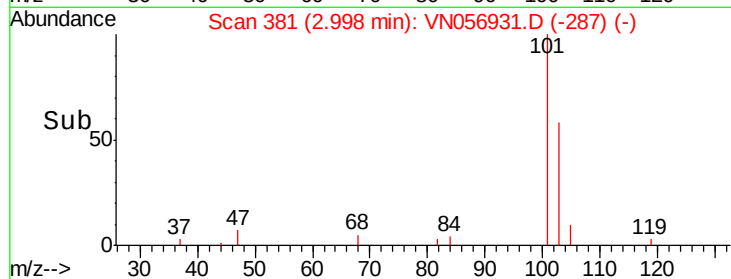
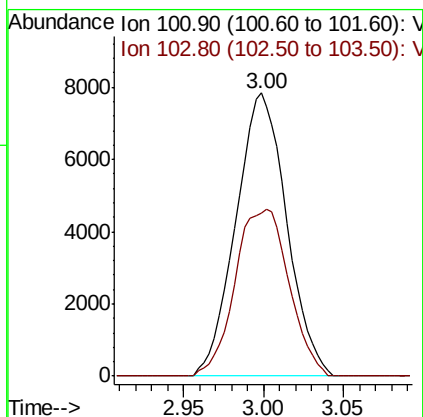
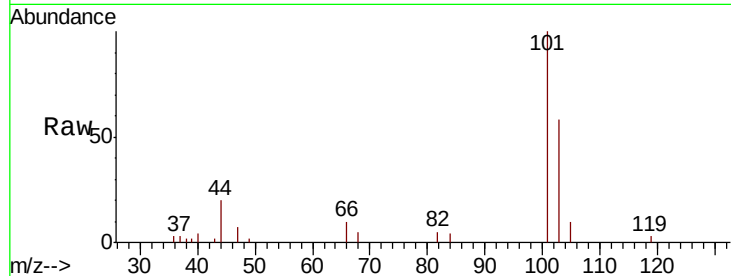


#7

Trichlorofluoromethane
Concen: 2.399 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN056931.D
Acq: 25 Jul 2019 20:04

Instrument :
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ClientSampleId :
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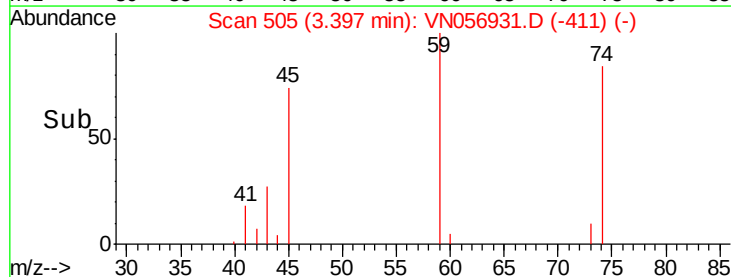
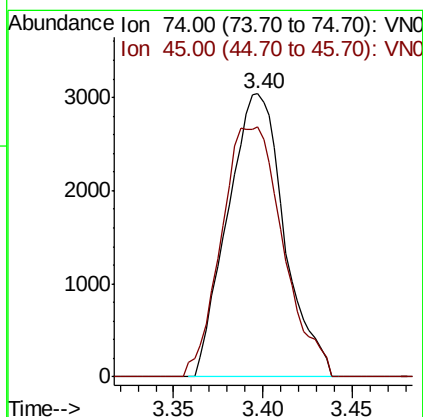
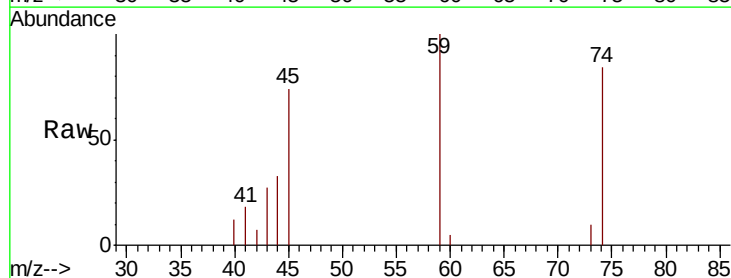
Tot Ion:101 Resp: 17006
Ion Ratio Lower Upper
101 100
103 57.6 52.0 78.0

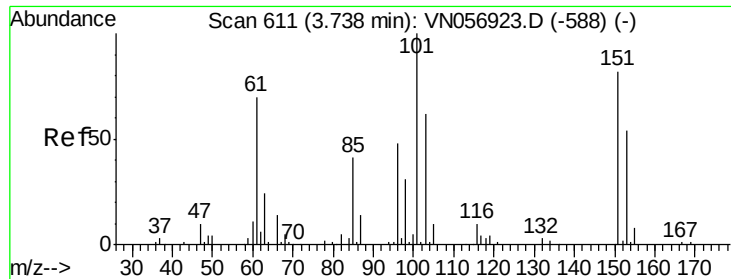


#8

Diethyl Ether
Concen: 2.543 ug/l
RT: 3.40 min Scan# 505
Delta R.T. 0.00 min
Lab File: VN056931.D
Acq: 25 Jul 2019 20:04

Tgt Ion: 74 Resp: 6750
Ion Ratio Lower Upper
74 100
45 95.7 48.1 144.4

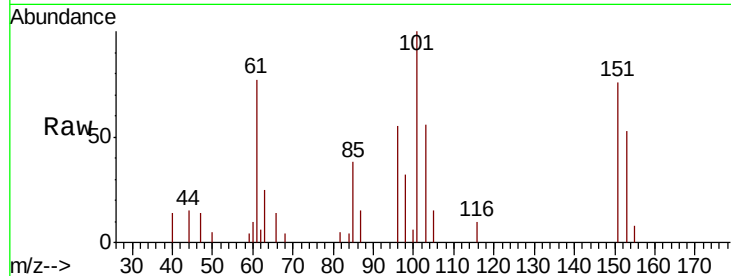




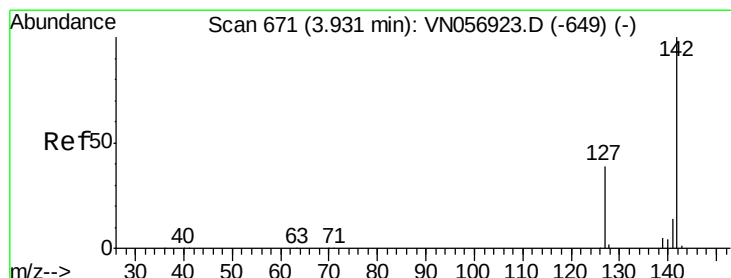
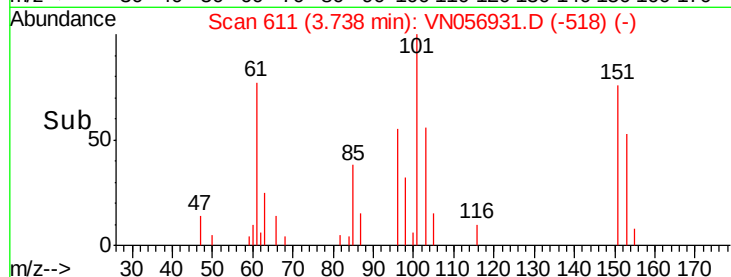
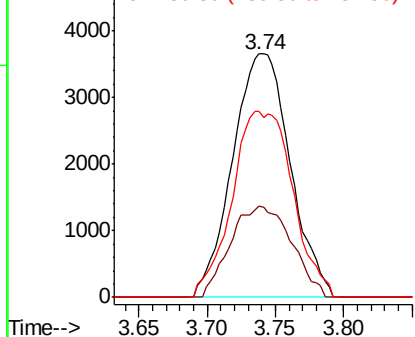
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 2.466 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VN056931.D
 Acq: 25 Jul 2019 20:04

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

Tot Ion:101 Resp: 10739
 Ion Ratio Lower Upper
 101 100
 85 39.7 32.7 49.1
 151 80.2 67.4 101.0

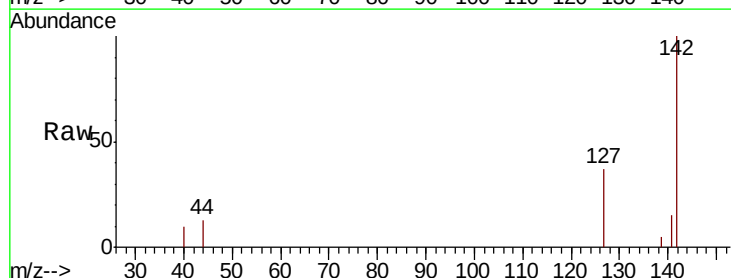


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

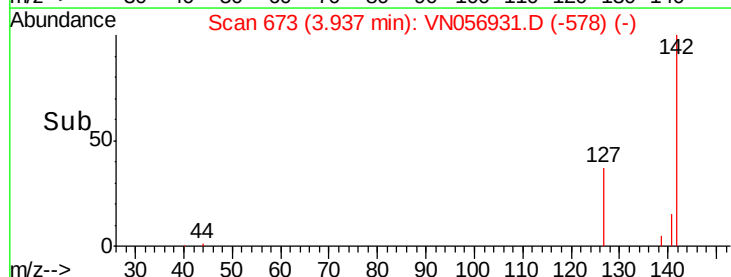
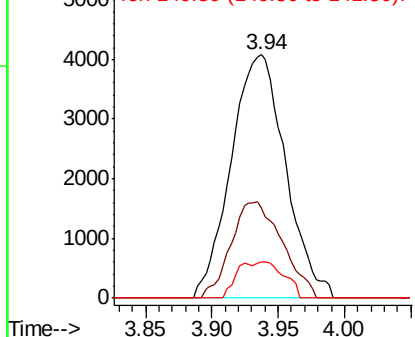


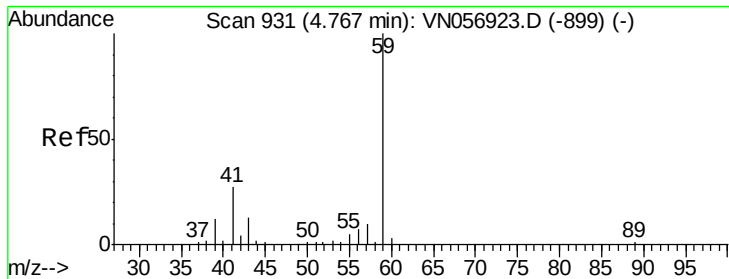
#10
 Methyl Iodide
 Concen: 1.820 ug/l
 RT: 3.94 min Scan# 673
 Delta R.T. 0.01 min
 Lab File: VN056931.D
 Acq: 25 Jul 2019 20:04

Tgt Ion:142 Resp: 11646
 Ion Ratio Lower Upper
 142 100
 127 37.2 30.5 45.7
 141 5.0 11.1 16.7#



Abundance Ion 141.80 (141.50 to 142.50): V
 Ion 126.80 (126.50 to 127.50): V
 Ion 140.80 (140.50 to 141.50): V



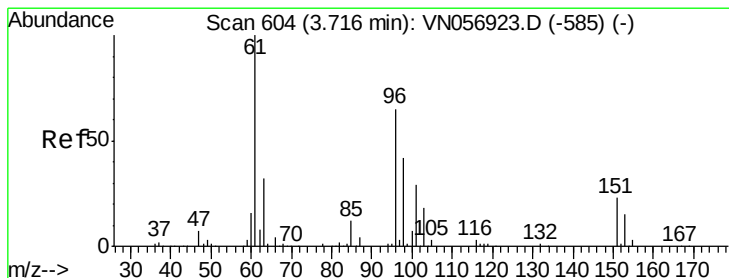
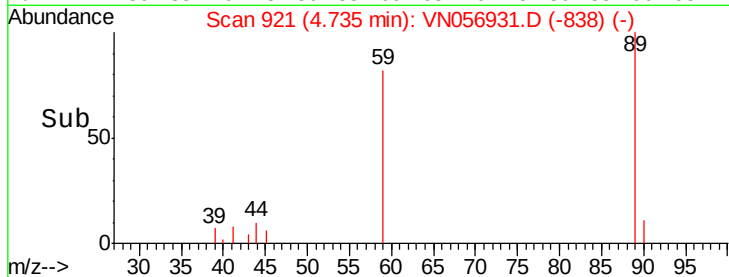
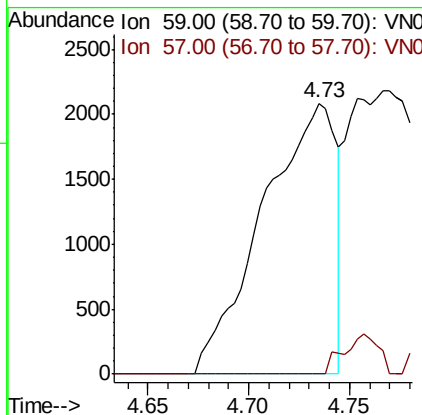
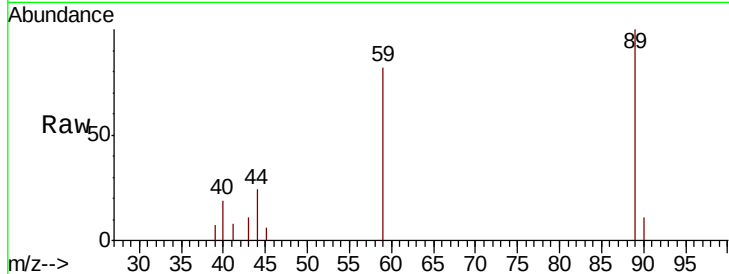


#11

Tert butyl alcohol
Concen: 7.837 ug/l
RT: 4.73 min Scan# 921
Delta R.T. -0.03 min
Lab File: VN056931.D
Acq: 25 Jul 2019 20:04

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

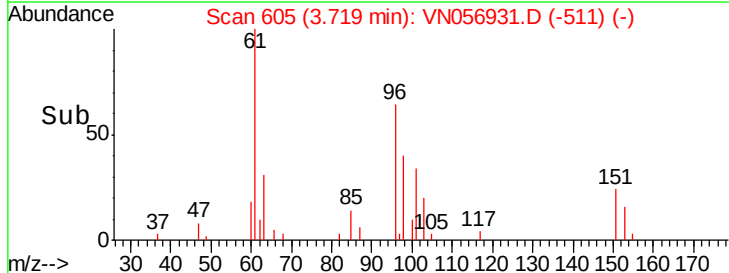
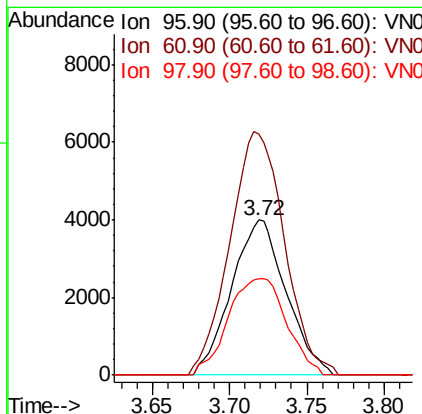
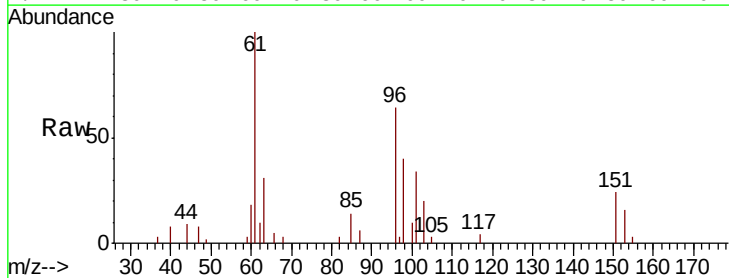
Tot Ion: 59 Resp: 5243
Ion Ratio Lower Upper
59 100
57 0.0 7.6 11.4#

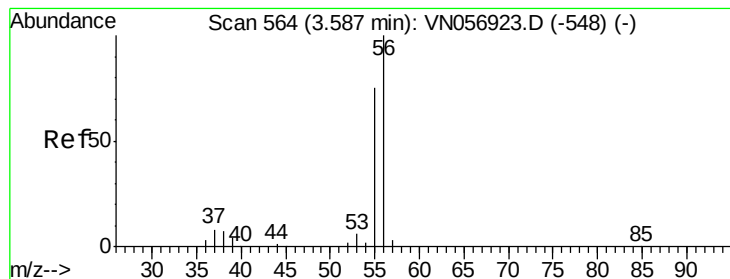


#12

1,1-Dichloroethene
Concen: 2.336 ug/l
RT: 3.72 min Scan# 605
Delta R.T. 0.00 min
Lab File: VN056931.D
Acq: 25 Jul 2019 20:04

Tgt Ion: 96 Resp: 9825
Ion Ratio Lower Upper
96 100
61 155.8 122.4 183.6
98 62.2 51.3 76.9





#13

Acrolein

Concen: 12.979 ug/l

RT: 3.60 min Scan# 567

Delta R.T. 0.01 min

Lab File: VN056931.D

Acq: 25 Jul 2019 20:04

Instrument :

MSVOA_N

ClientSampleId :

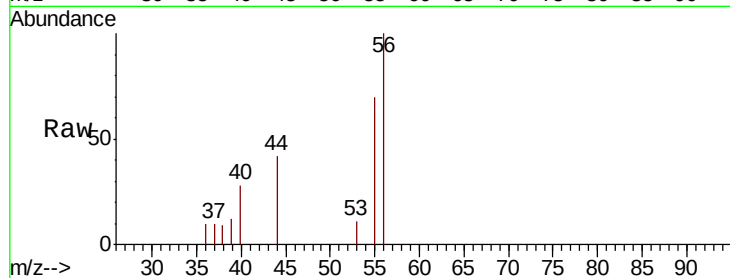
LOD-MDL-WATER-01-QT3-2019

Tot Ion: 56 Resp: 4866

Ion Ratio Lower Upper

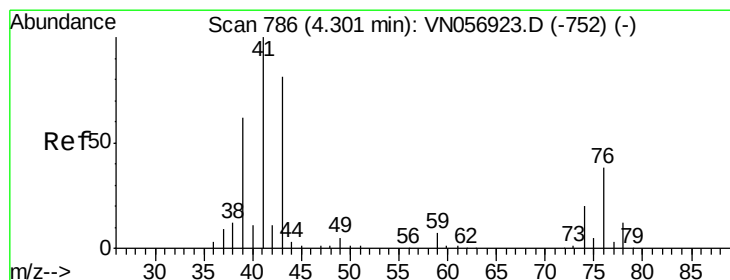
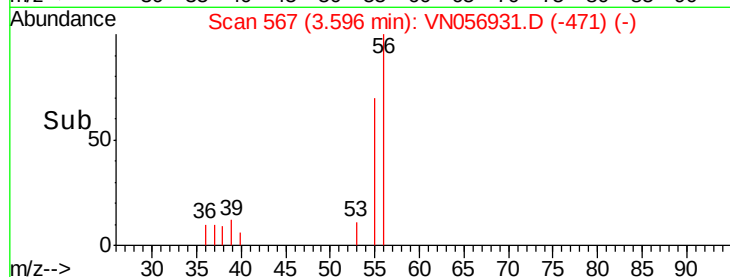
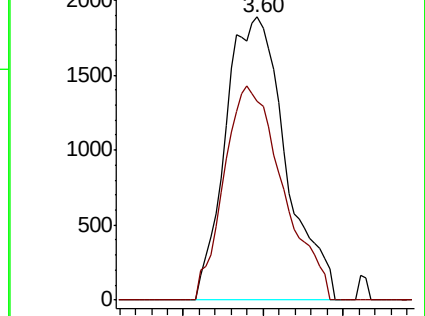
56 100

55 74.1 57.5 86.3



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 2.246 ug/l

RT: 4.31 min Scan# 788

Delta R.T. 0.01 min

Lab File: VN056931.D

Acq: 25 Jul 2019 20:04

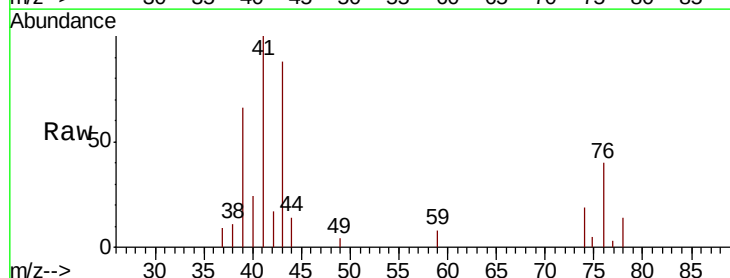
Tgt Ion: 41 Resp: 15323

Ion Ratio Lower Upper

41 100

39 62.5 47.5 71.3

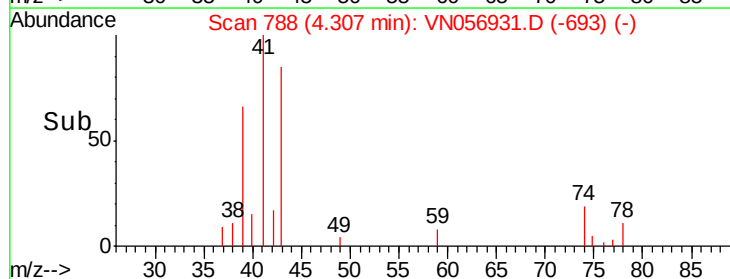
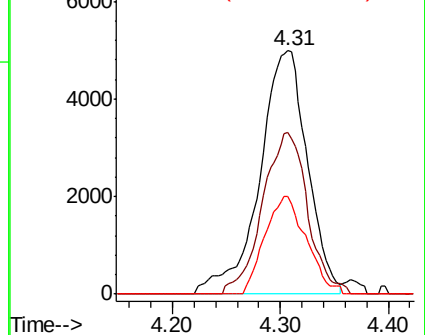
76 34.9 28.0 42.0

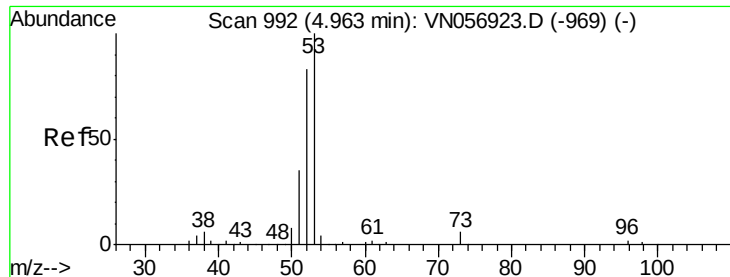


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 11.448 ug/l

RT: 4.98 min Scan# 996

Delta R.T. 0.01 min

Lab File: VN056931.D

Acq: 25 Jul 2019 20:04

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

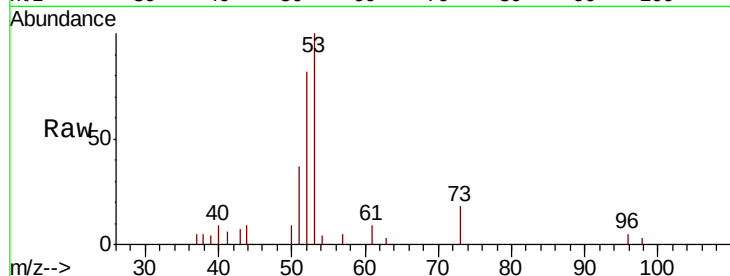
Tot Ion: 53 Resp: 22040

Ion Ratio Lower Upper

53 100

52 82.9 65.5 98.3

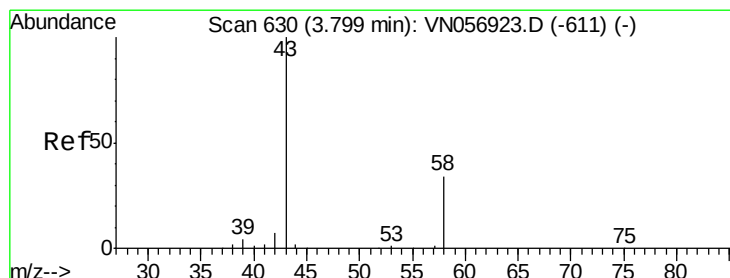
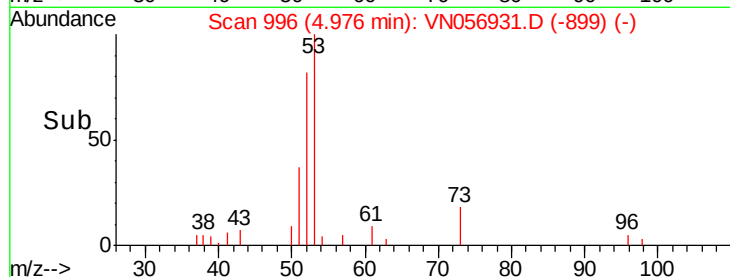
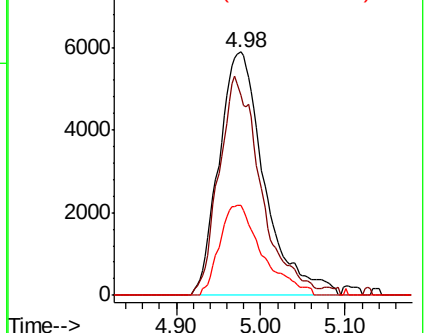
51 34.7 28.1 42.1



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 11.677 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.00 min

Lab File: VN056931.D

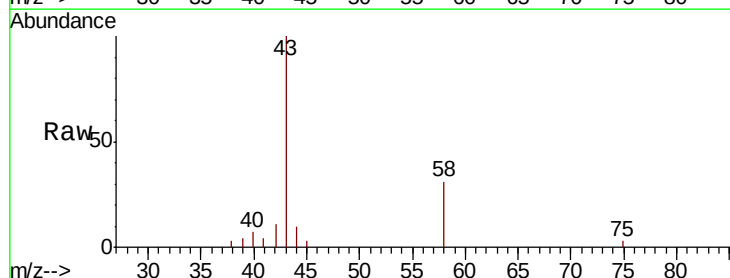
Acq: 25 Jul 2019 20:04

Tgt Ion: 43 Resp: 18492

Ion Ratio Lower Upper

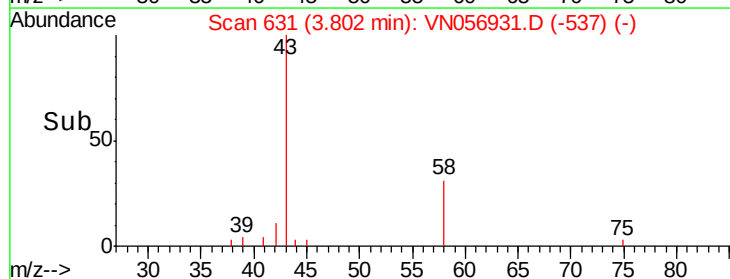
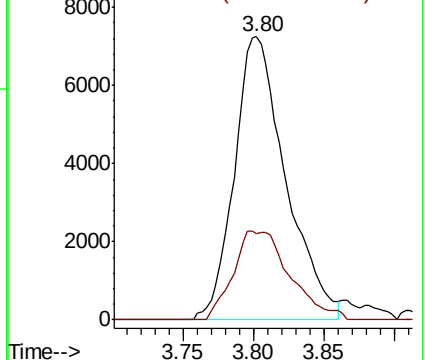
43 100

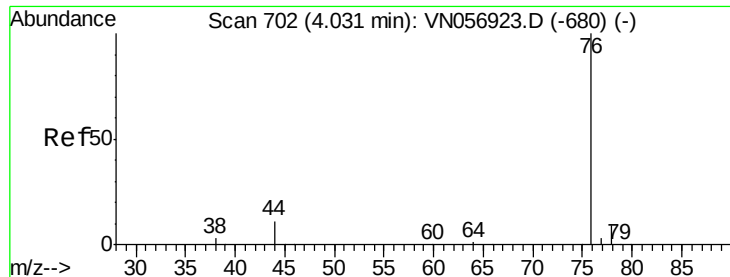
58 30.6 27.3 40.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

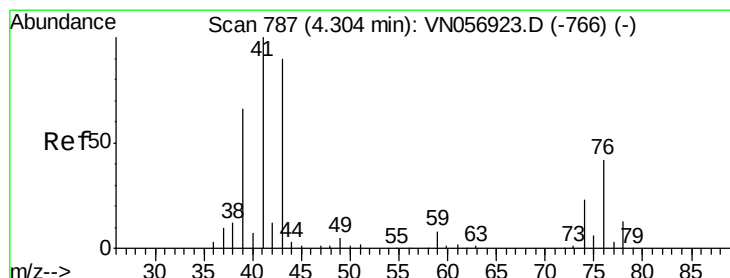
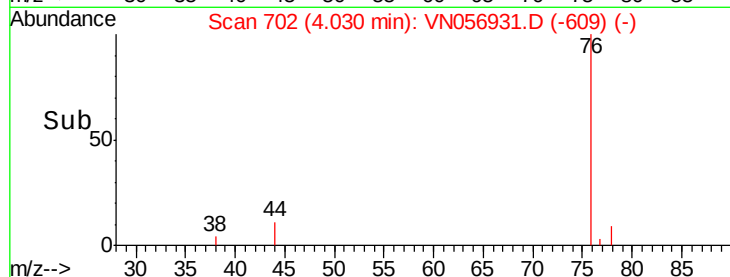
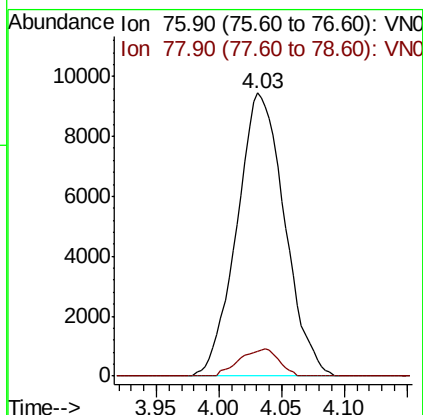
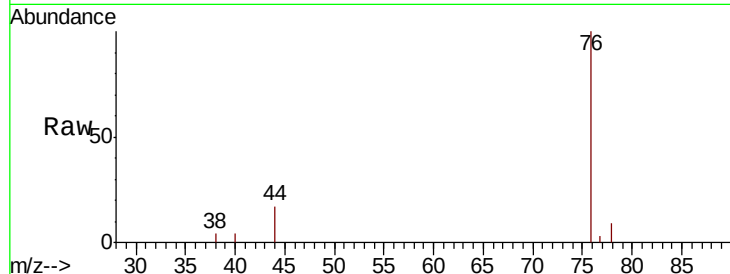




#17
Carbon Disulfide
Concen: 2.207 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN056931.D
Acq: 25 Jul 2019 20:04

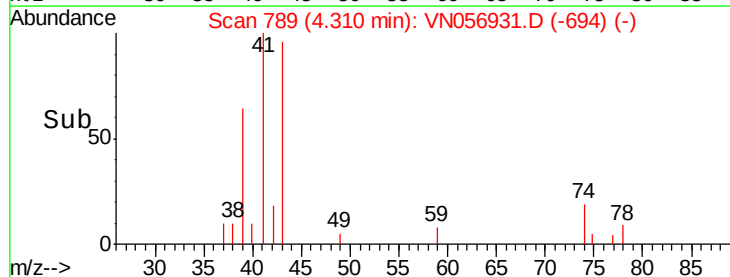
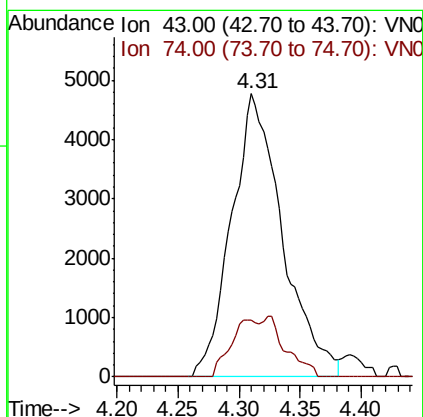
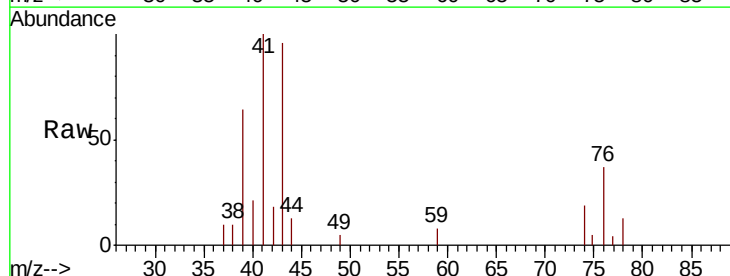
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

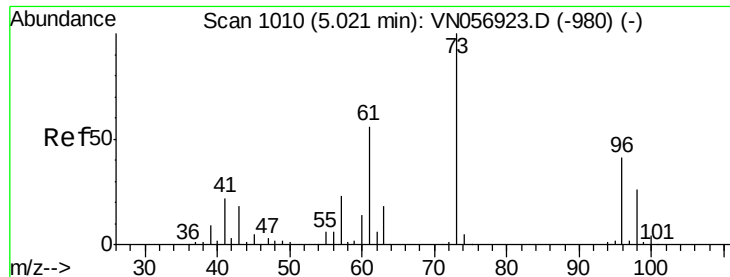
Tot Ion: 76 Resp: 24998
Ion Ratio Lower Upper
76 100
78 8.9 7.3 10.9



#18
Methyl Acetate
Concen: 2.494 ug/l
RT: 4.31 min Scan# 789
Delta R.T. 0.01 min
Lab File: VN056931.D
Acq: 25 Jul 2019 20:04

Tgt Ion: 43 Resp: 13826
Ion Ratio Lower Upper
43 100
74 11.4 19.4 29.0#

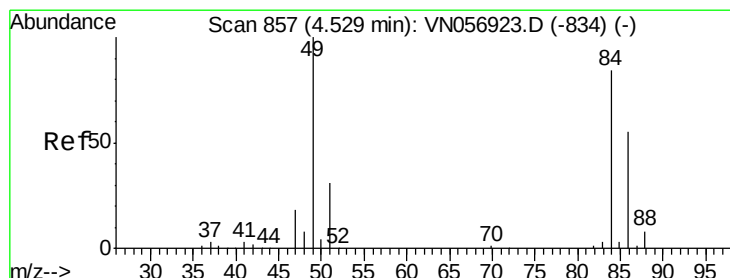
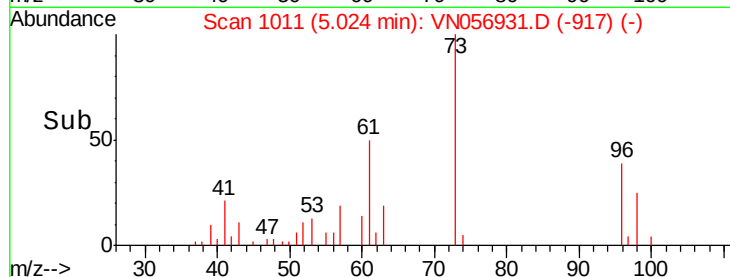
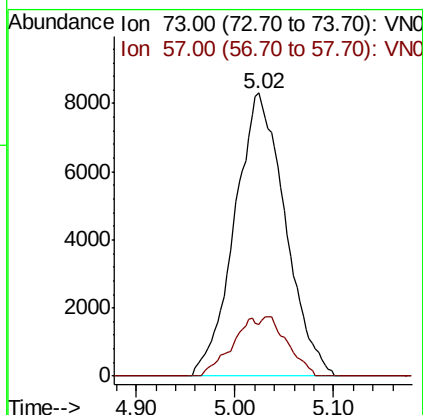
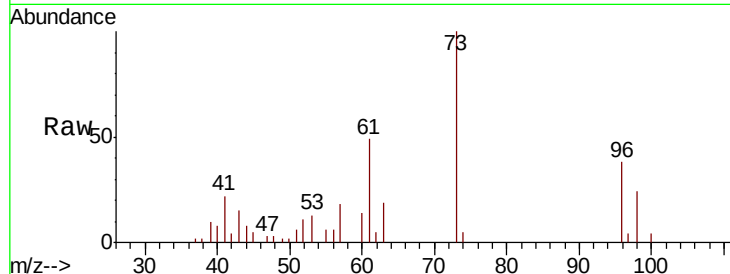




#19
Methvl tert-butvl Ether
Concen: 2.383 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN056931.D
Acq: 25 Jul 2019 20:04

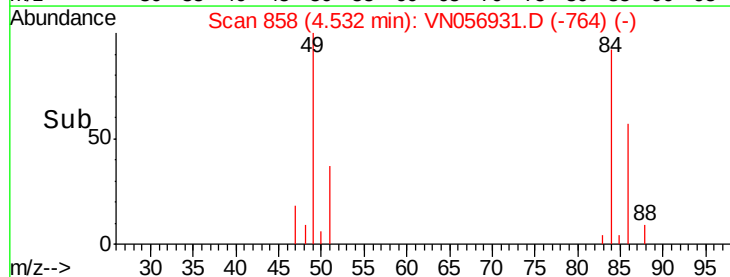
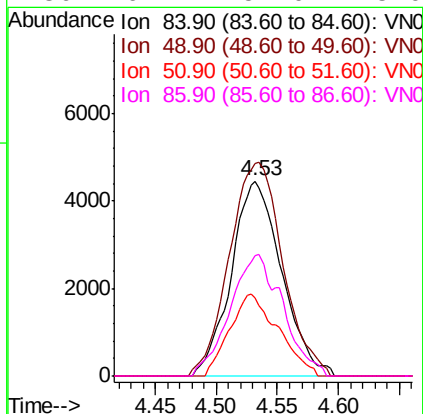
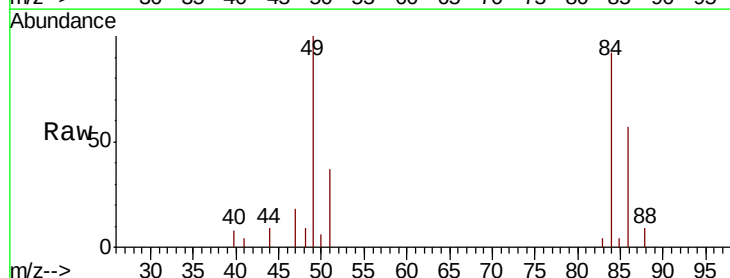
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

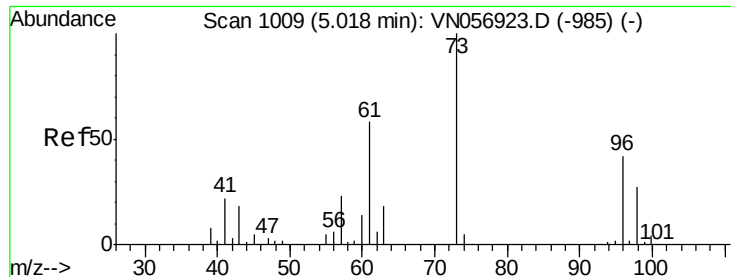
Tot Ion: 73 Resp: 29472
Ion Ratio Lower Upper
73 100
57 18.3 18.2 27.4



#20
Methylene Chloride
Concen: 2.543 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.00 min
Lab File: VN056931.D
Acq: 25 Jul 2019 20:04

Tgt Ion: 84 Resp: 12751
Ion Ratio Lower Upper
84 100
49 108.9 95.0 142.6
51 39.9 29.8 44.8
86 61.7 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 1.397 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. -0.00 min

Lab File: VN056931.D

Acq: 25 Jul 2019 20:04

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

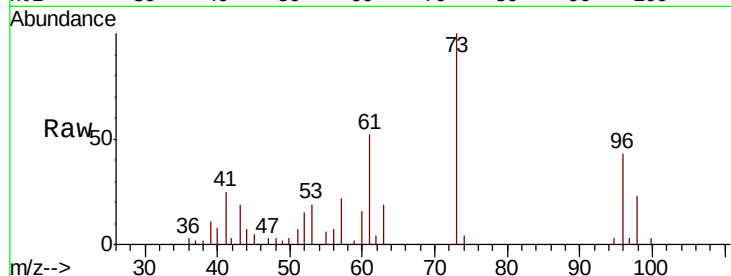
Tot Ion: 96 Resp: 6287

Ion Ratio Lower Upper

96 100

61 122.2 109.9 164.9

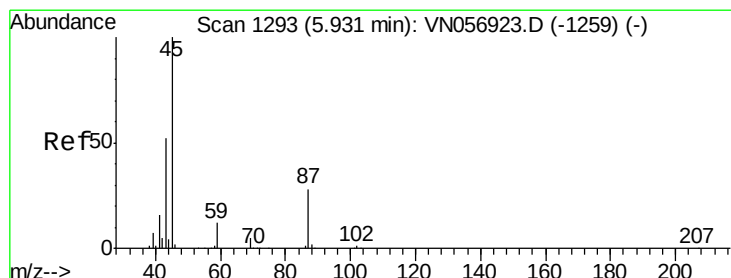
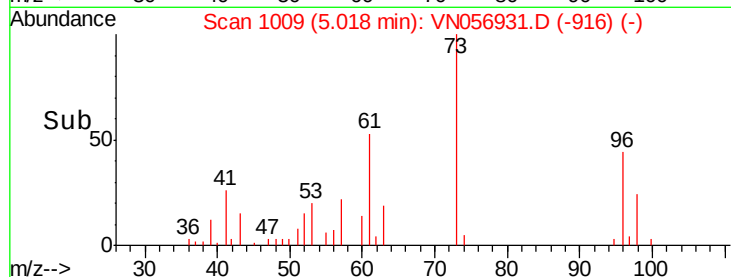
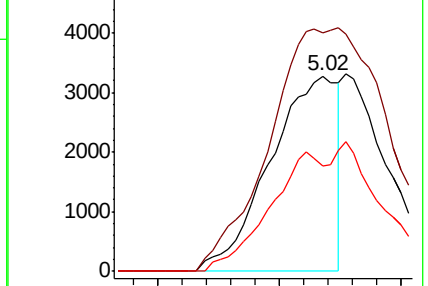
98 53.9 51.0 76.4



Abundance Ion 95.90 (95.60 to 96.60): VN056931.D (-916) (-)

Ion 60.90 (60.60 to 61.60): VN056931.D (-916) (-)

Ion 97.90 (97.60 to 98.60): VN056931.D (-916) (-)



#22

Diisopropyl ether

Concen: 2.460 ug/l

RT: 5.94 min Scan# 1295

Delta R.T. 0.01 min

Lab File: VN056931.D

Acq: 25 Jul 2019 20:04

Tgt Ion: 45 Resp: 34188

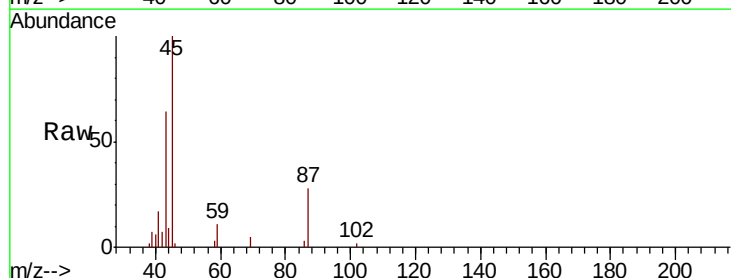
Ion Ratio Lower Upper

45 100

43 59.7 44.7 67.1

87 27.7 23.1 34.7

59 10.9 9.7 14.5

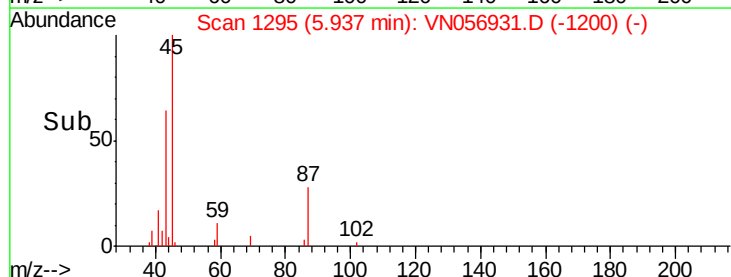
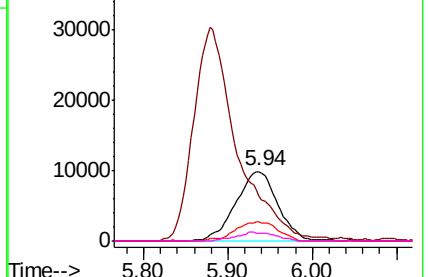


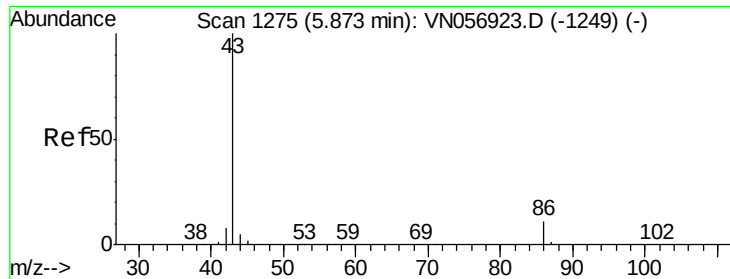
Abundance Ion 45.00 (44.70 to 45.70): VN056931.D (-1200) (-)

Ion 43.00 (42.70 to 43.70): VN056931.D (-1200) (-)

Ion 87.00 (86.70 to 87.70): VN056931.D (-1200) (-)

Ion 59.00 (58.70 to 59.70): VN056931.D (-1200) (-)





#23

Vinyl Acetate

Concen: 11.381 ug/l

RT: 5.88 min Scan# 1277

Delta R.T. 0.01 min

Lab File: VN056931.D

Acq: 25 Jul 2019 20:04

Instrument :

MSVOA_N

ClientSampleId :

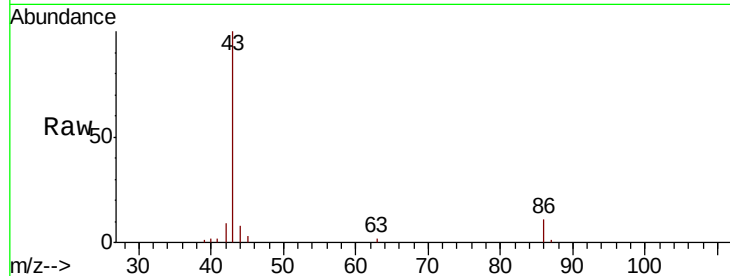
LOD-MDL-WATER-01-QT3-2019

Tot Ion: 43 Resp: 108946

Ion Ratio Lower Upper

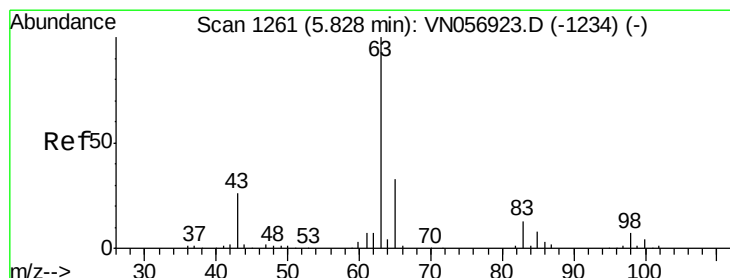
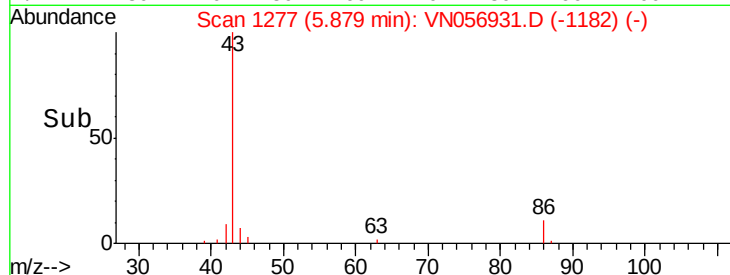
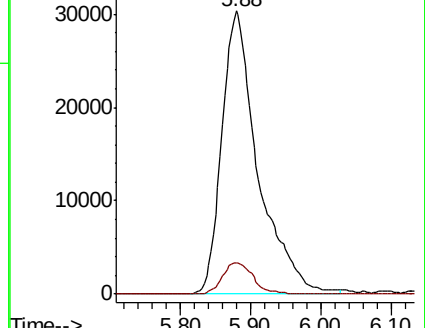
43 100

86 11.2 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN056931.D (-1182) (-)

Ion 86.00 (85.70 to 86.70): VN056931.D (-1182) (-)



#24

1,1-Dichloroethane

Concen: 2.487 ug/l

RT: 5.83 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VN056931.D

Acq: 25 Jul 2019 20:04

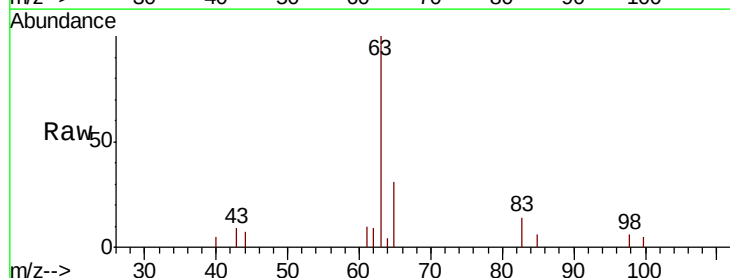
Tgt Ion: 63 Resp: 20307

Ion Ratio Lower Upper

63 100

98 5.8 3.4 10.1

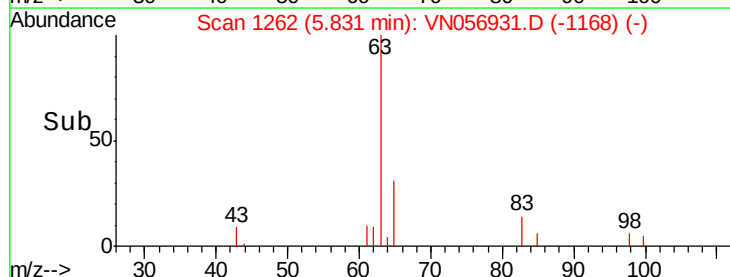
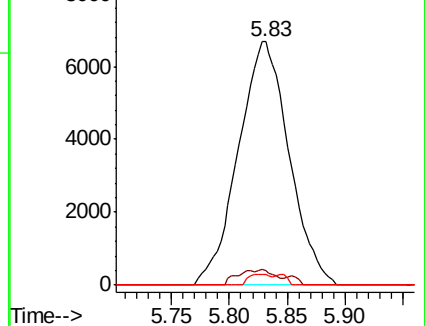
100 4.5 2.1 6.3

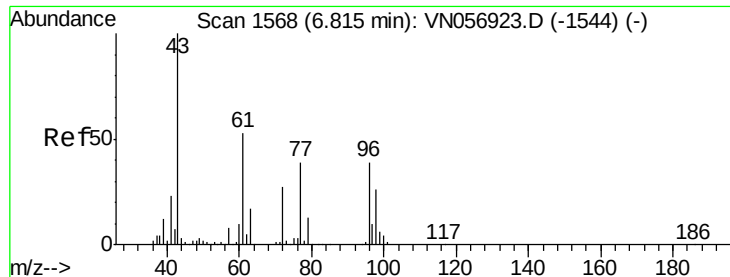


Abundance Ion 62.90 (62.60 to 63.60): VN056931.D (-1168) (-)

Ion 97.90 (97.60 to 98.60): VN056931.D (-1168) (-)

Ion 99.90 (99.60 to 100.60): VN056931.D (-1168) (-)

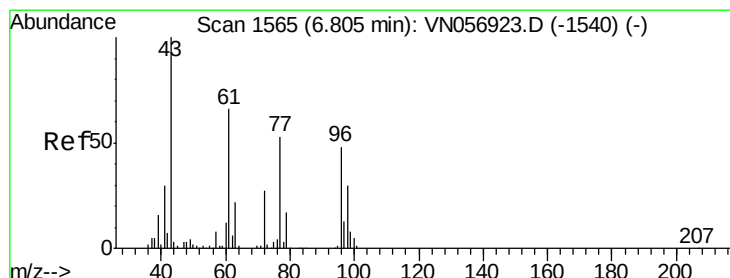
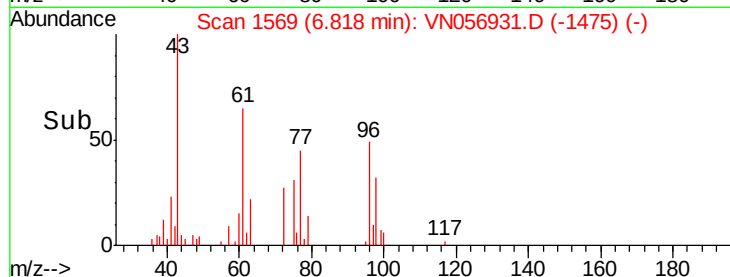
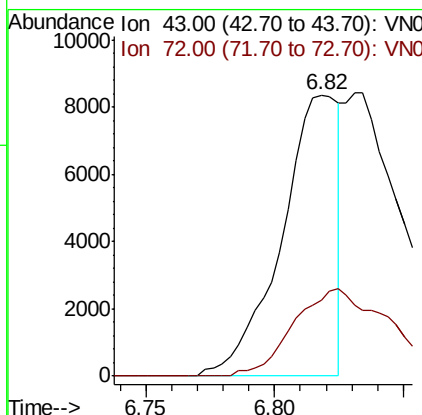
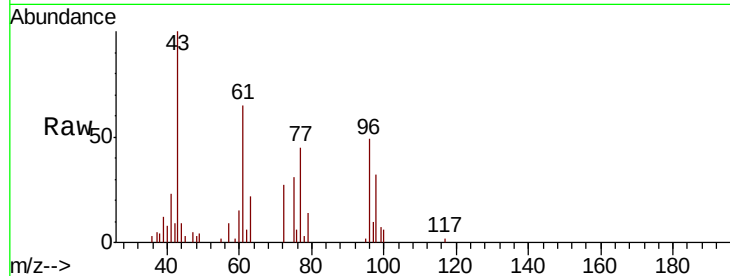




#25
 2-Butanone
 Concen: 5.275 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VN056931.D
 Acq: 25 Jul 2019 20:04

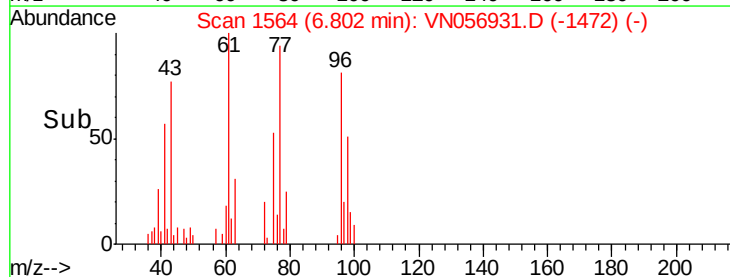
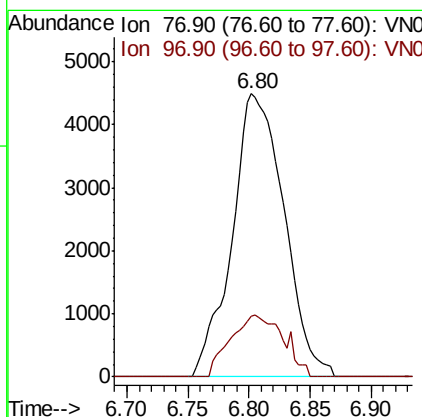
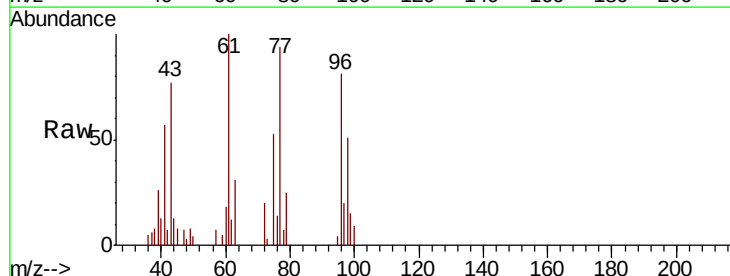
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

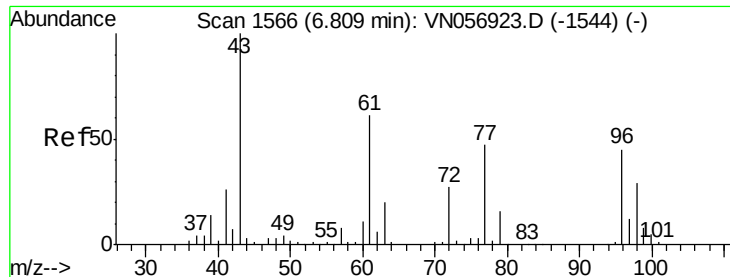
Tot Ion: 43 Resp: 12858
 Ion Ratio Lower Upper
 43 100
 72 27.0 21.9 32.9



#26
 2,2-Dichloropropane
 Concen: 2.218 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: VN056931.D
 Acq: 25 Jul 2019 20:04

Tgt Ion: 77 Resp: 13287
 Ion Ratio Lower Upper
 77 100
 97 22.3 12.3 36.8





#27

cis-1,2-Dichloroethene

Concen: 2.285 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. 0.01 min

Lab File: VN056931.D

Acq: 25 Jul 2019 20:04

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

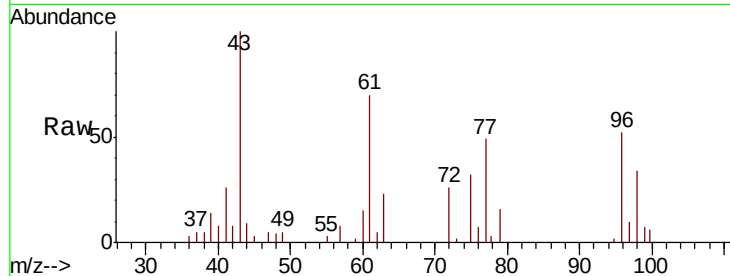
Tot Ion: 96 Resp: 11737

Ion Ratio Lower Upper

96 100

61 147.6 0.0 278.8

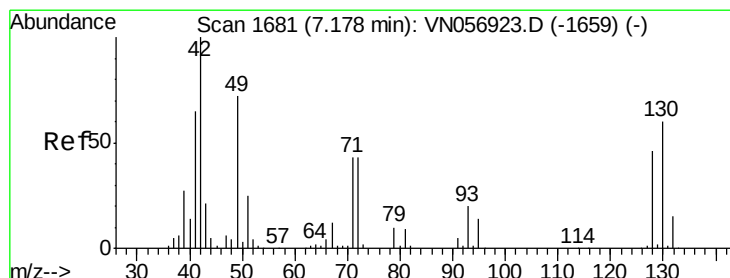
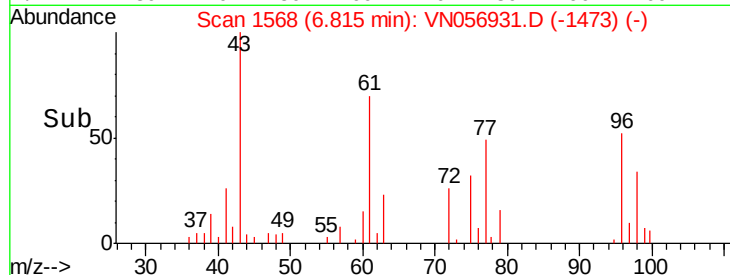
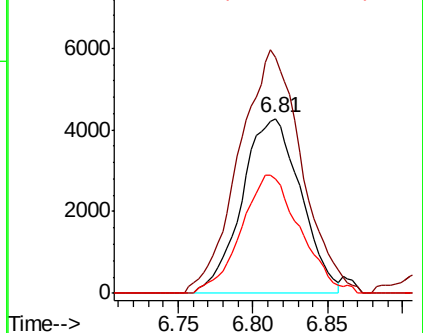
98 67.7 0.0 130.0



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 2.317 ug/l

RT: 7.18 min Scan# 1683

Delta R.T. 0.01 min

Lab File: VN056931.D

Acq: 25 Jul 2019 20:04

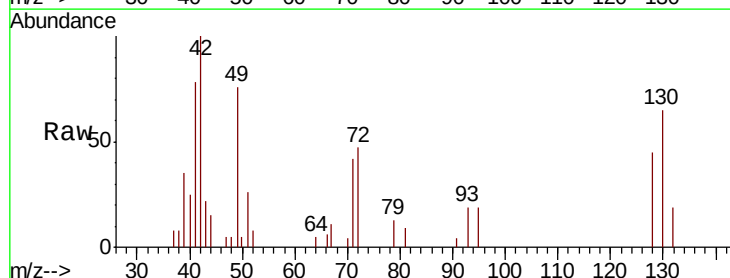
Tgt Ion: 49 Resp: 8730

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.4

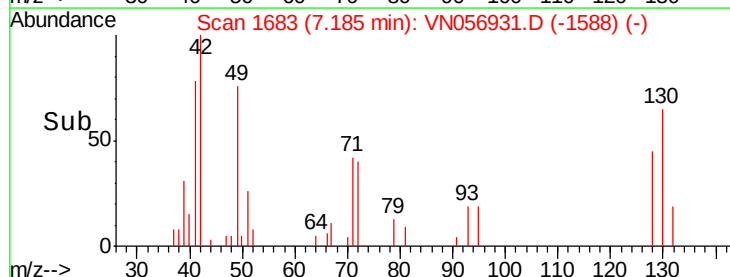
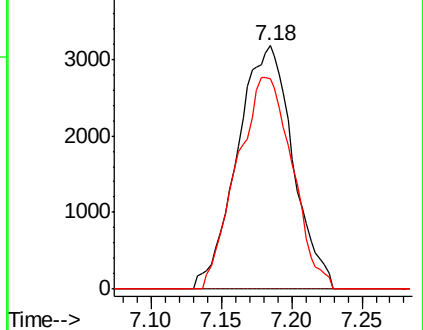
130 86.7 67.3 100.9

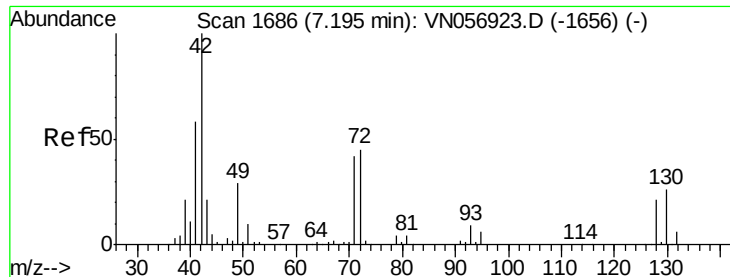


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

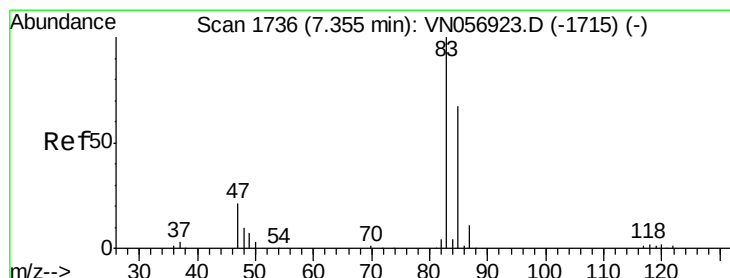
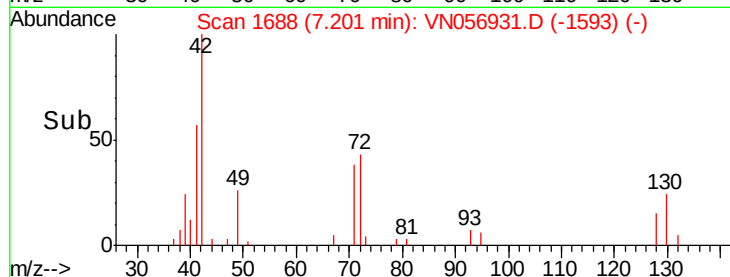
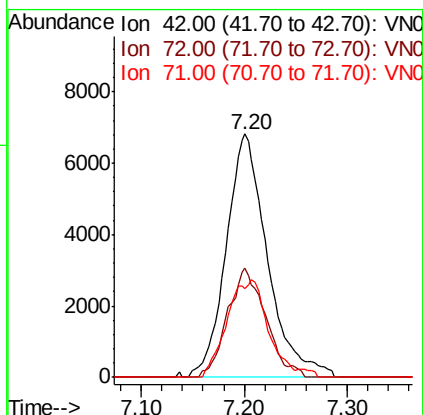
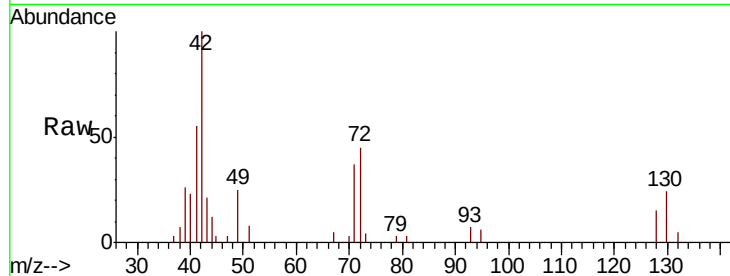




#29
Tetrahydrofuran
Concen: 11.888 ug/l
RT: 7.20 min Scan# 1688
Delta R.T. 0.01 min
Lab File: VN056931.D
Acq: 25 Jul 2019 20:04

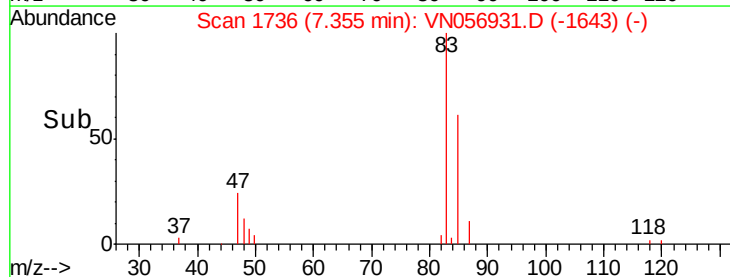
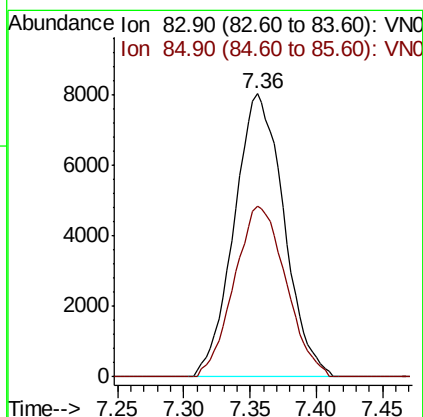
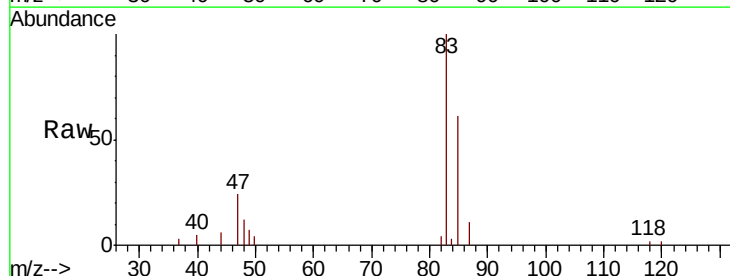
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

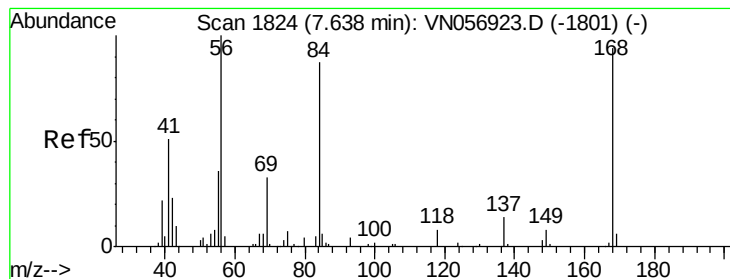
Tot Ion: 42 Resp: 18988
Ion Ratio Lower Upper
42 100
72 41.5 35.5 53.3
71 39.8 33.0 49.6



#30
Chloroform
Concen: 2.493 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN056931.D
Acq: 25 Jul 2019 20:04

Tgt Ion: 83 Resp: 20961
Ion Ratio Lower Upper
83 100
85 60.5 53.5 80.3





#31

Cyclohexane

Concen: 3.040 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VN056931.D

Acq: 25 Jul 2019 20:04

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

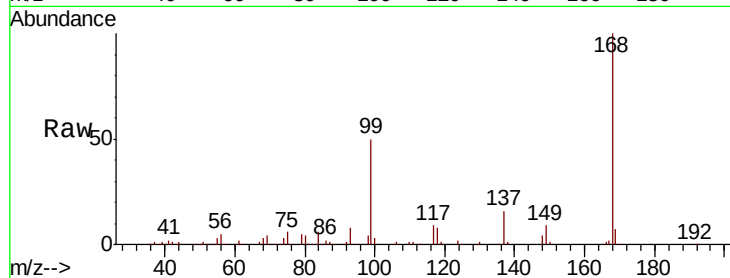
Tot Ion: 56 Resp: 24157

Ion Ratio Lower Upper

56 100

69 82.7 26.3 39.5#

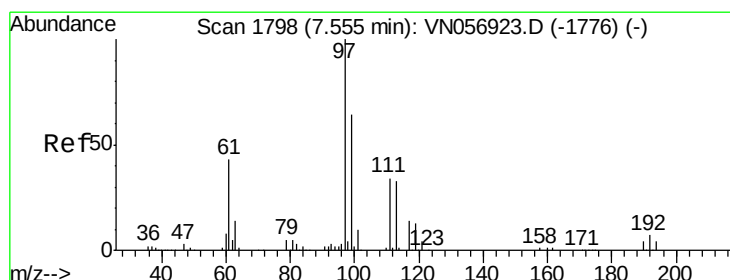
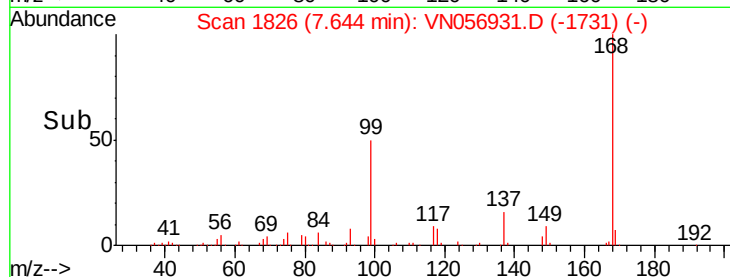
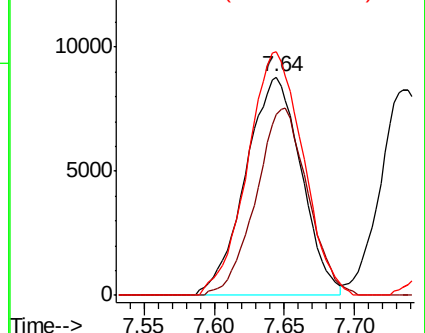
84 111.4 69.6 104.4#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 2.408 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VN056931.D

Acq: 25 Jul 2019 20:04

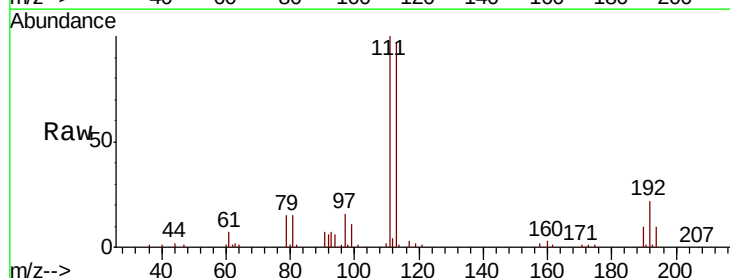
Tgt Ion: 97 Resp: 16217

Ion Ratio Lower Upper

97 100

99 60.8 51.6 77.4

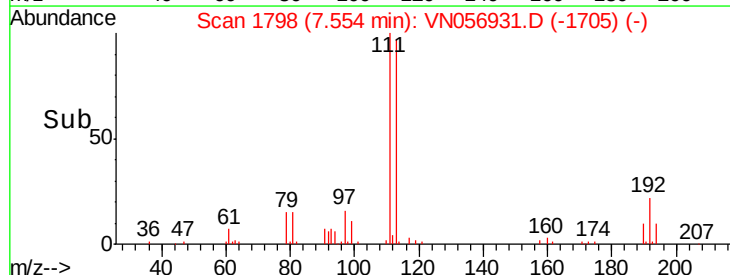
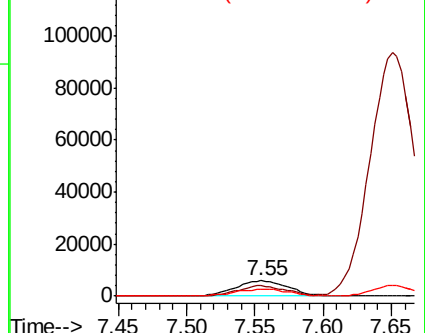
61 45.3 33.8 50.6

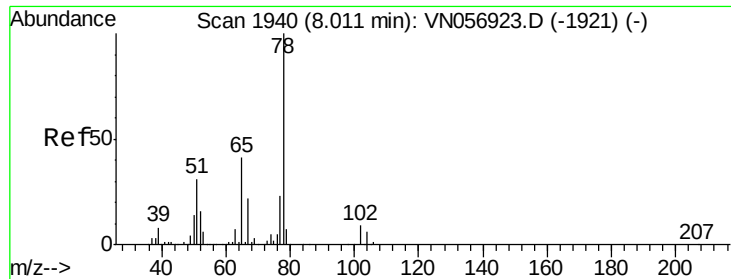


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

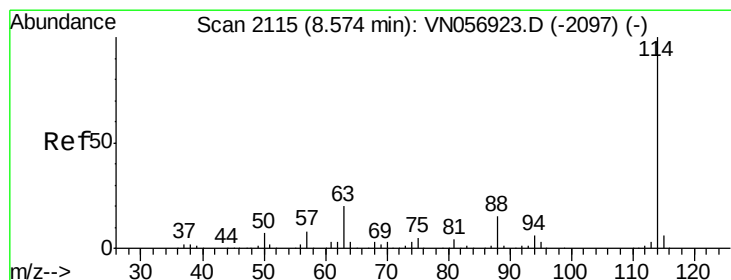
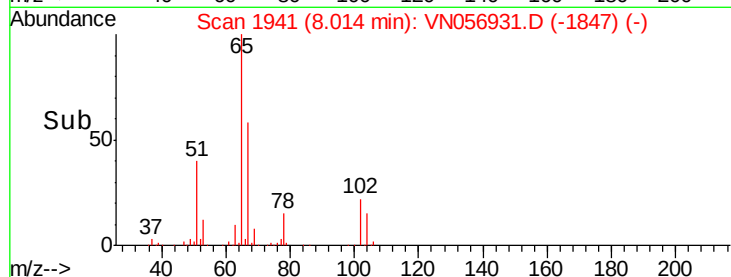
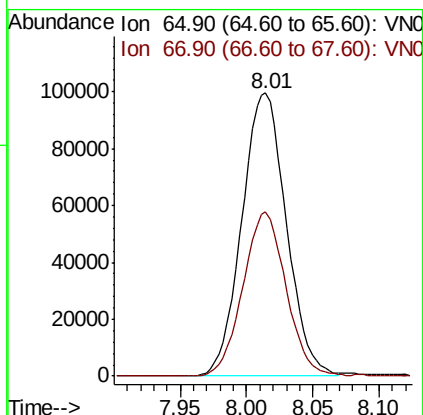
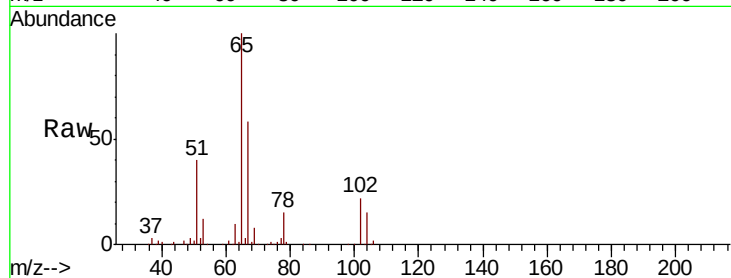




#33
 1,2-Dichloroethane-d4
 Concen: 50.065 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN056931.D
 Acq: 25 Jul 2019 20:04

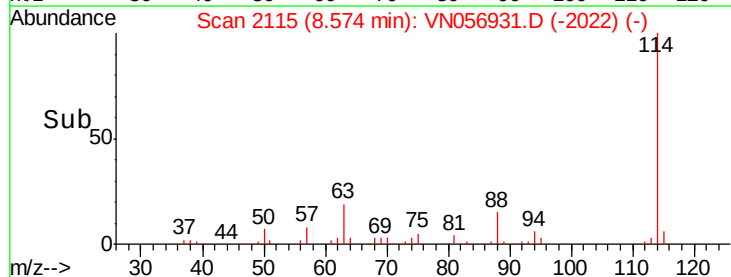
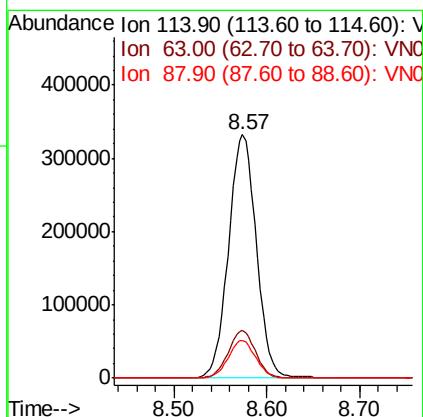
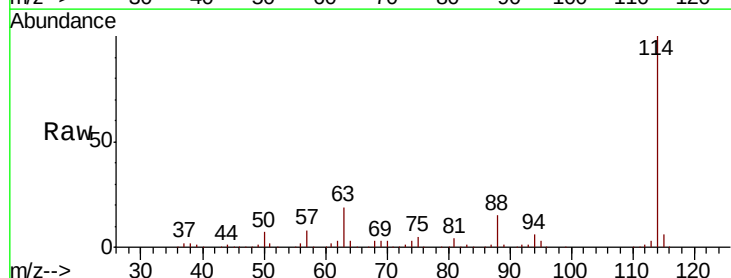
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

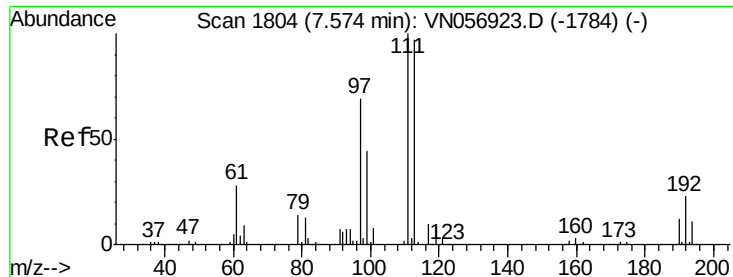
Tot Ion: 65 Resp: 232172
 Ion Ratio Lower Upper
 65 100
 67 56.2 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN056931.D
 Acq: 25 Jul 2019 20:04

Tgt Ion: 114 Resp: 690730
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.4
 88 15.4 0.0 30.4

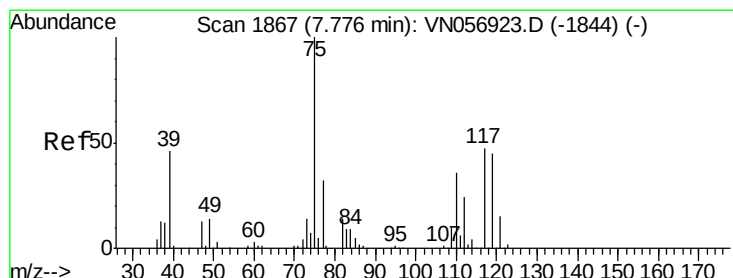
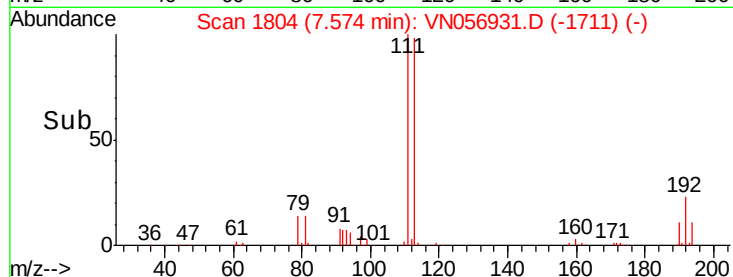
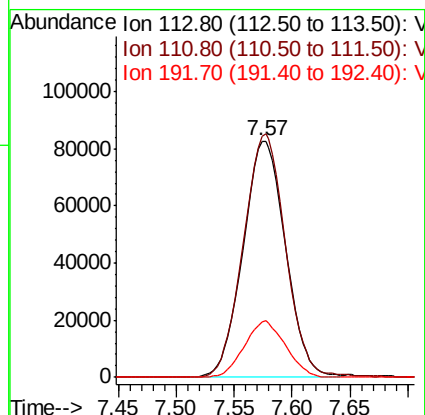
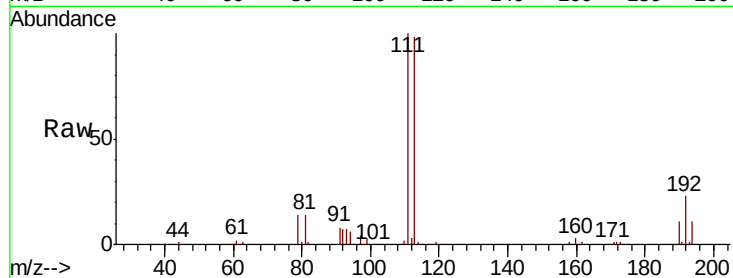




#35
 Dibromofluoromethane
 Concen: 47.843 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN056931.D
 Acq: 25 Jul 2019 20:04

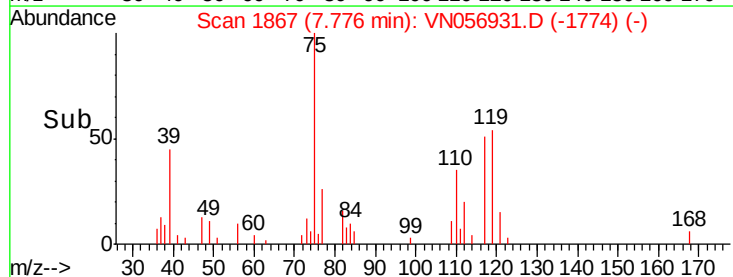
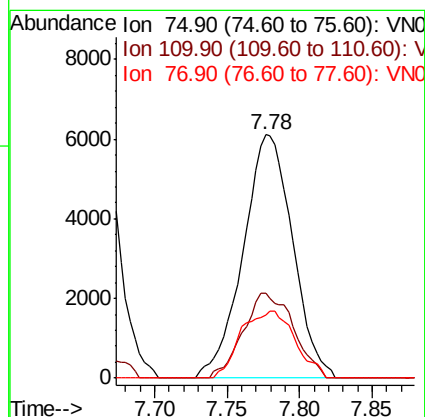
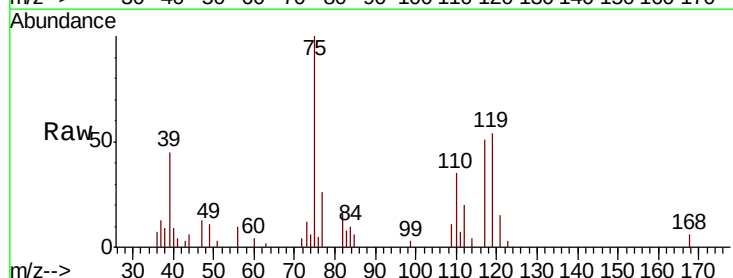
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

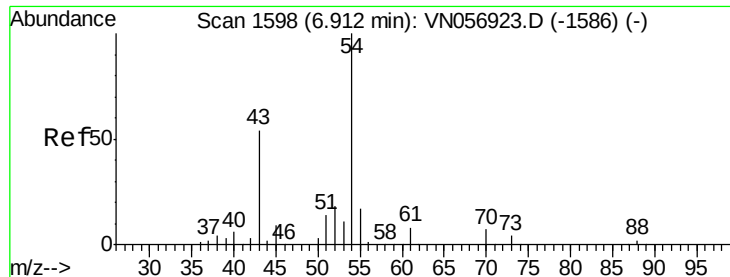
Tot Ion:113 Resp: 210849
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.2 123.2
 192 23.1 18.3 27.5



#36
 1,1-Dichloropropene
 Concen: 2.293 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN056931.D
 Acq: 25 Jul 2019 20:04

Tgt Ion: 75 Resp: 14479
 Ion Ratio Lower Upper
 75 100
 110 35.6 18.9 56.9
 77 30.1 25.4 38.0

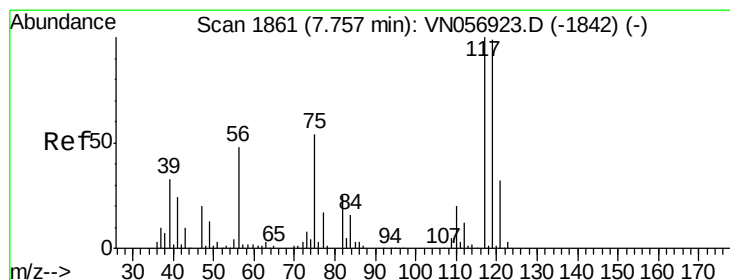
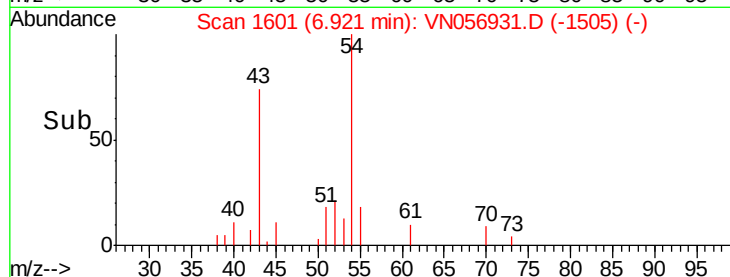
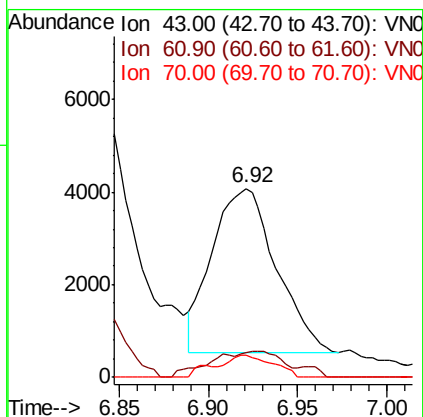
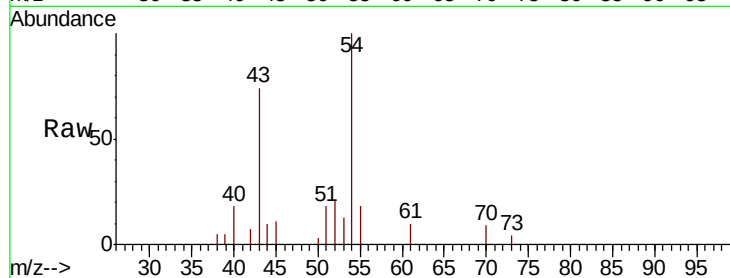




#37
Ethyl Acetate
Concen: 1.734 ug/l
RT: 6.92 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VN056931.D
Acq: 25 Jul 2019 20:04

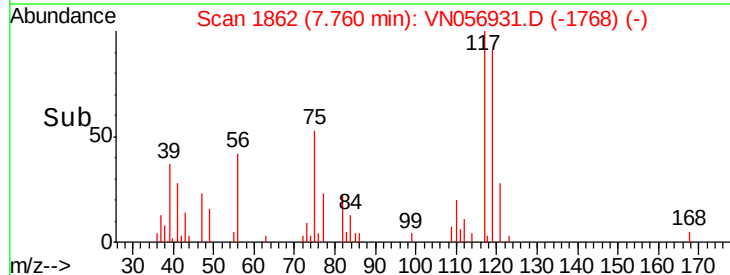
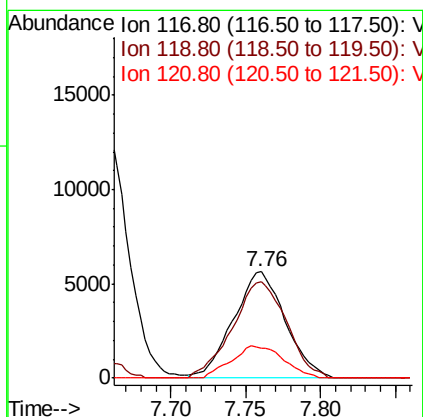
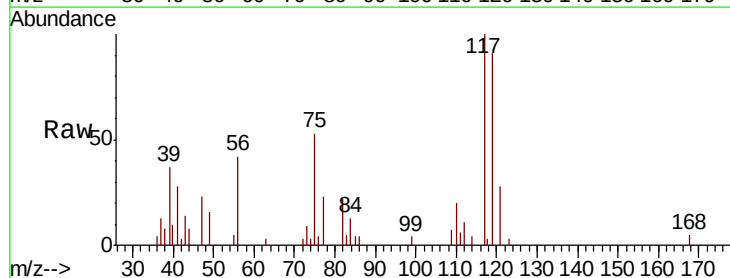
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

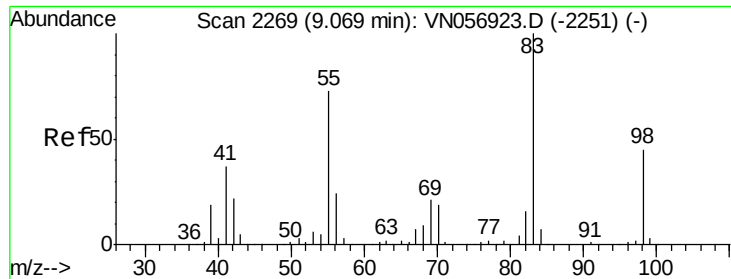
Tot Ion: 43 Resp: 8871
Ion Ratio Lower Upper
43 100
61 17.9 11.9 17.9#
70 9.4 8.8 13.2



#38
Carbon Tetrachloride
Concen: 2.273 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN056931.D
Acq: 25 Jul 2019 20:04

Tgt Ion: 117 Resp: 13654
Ion Ratio Lower Upper
117 100
119 91.0 79.0 118.6
121 27.8 25.1 37.7

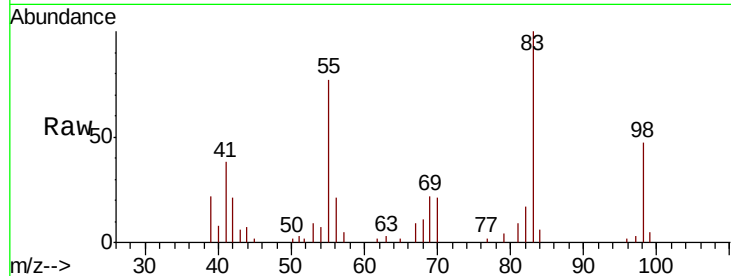




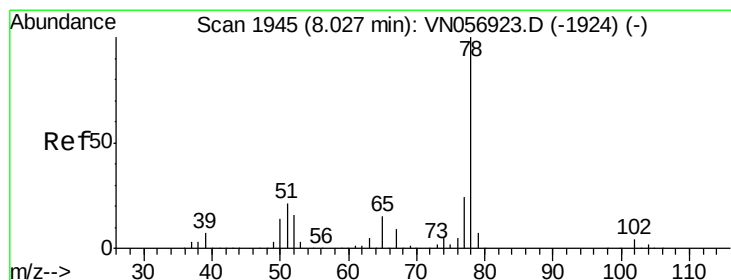
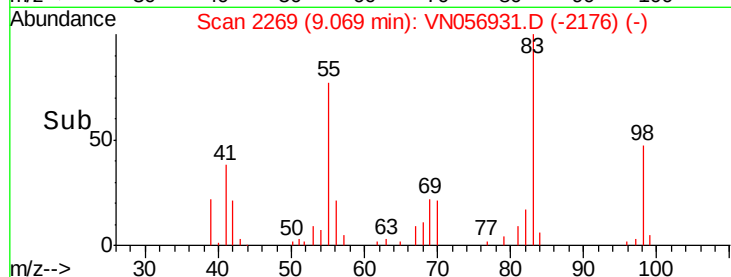
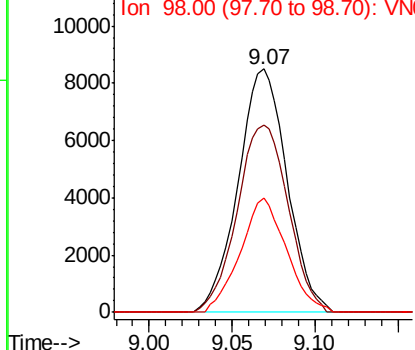
#39
Methylvlcyclohexane
Concen: 2.262 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN056931.D
Acq: 25 Jul 2019 20:04

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion: 83 Resp: 17409
Ion Ratio Lower Upper
83 100
55 76.9 58.8 88.2
98 46.8 35.8 53.6

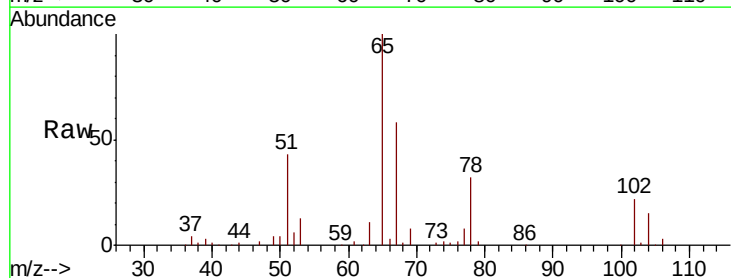


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

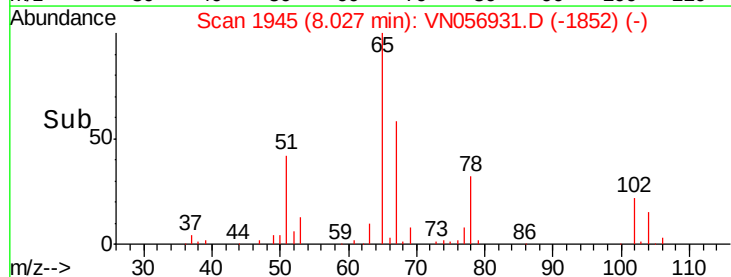
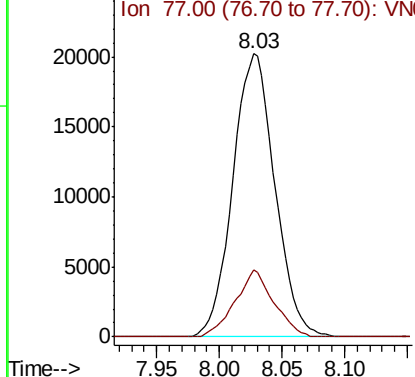


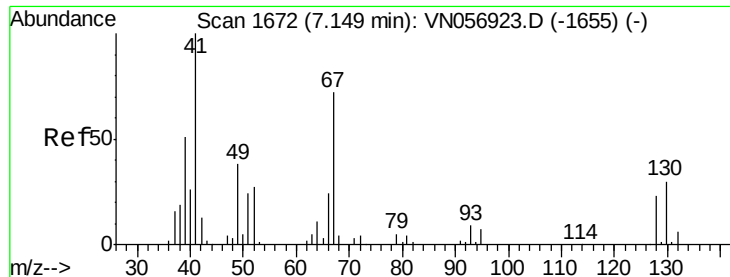
#40
Benzene
Concen: 2.396 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN056931.D
Acq: 25 Jul 2019 20:04

Tgt Ion: 78 Resp: 47178
Ion Ratio Lower Upper
78 100
77 23.7 19.5 29.3



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

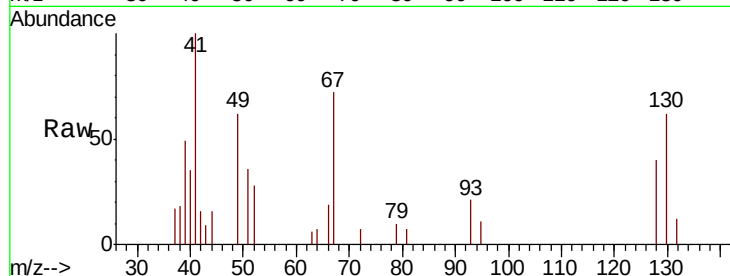




#41
Methacrylonitrile
Concen: 2.180 ug/l
RT: 7.16 min Scan# 1675
Delta R.T. 0.01 min
Lab File: VN056931.D
Acq: 25 Jul 2019 20:04

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

Tot Ion:	41	Resp:	4907
Ion	Ratio	Lower	Upper
41	100		
39	54.7	0.0	0.0#
67	88.8	0.0	0.0#
52	38.1	0.0	0.0#



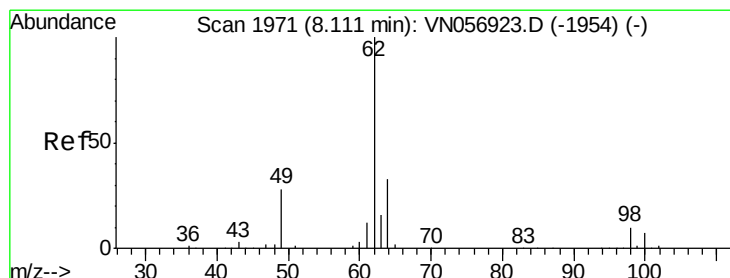
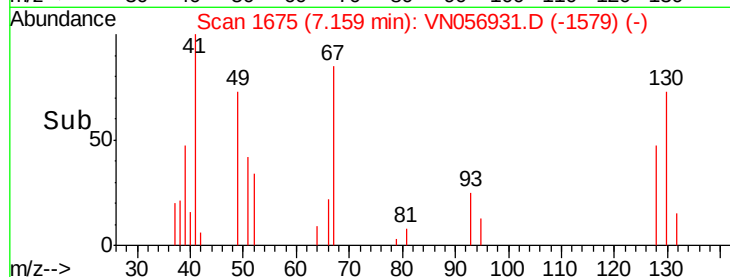
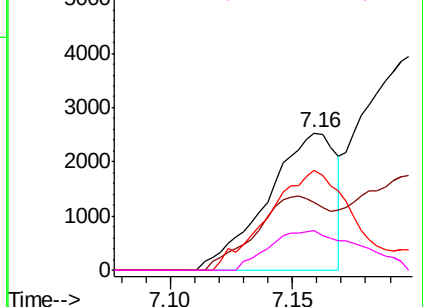
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

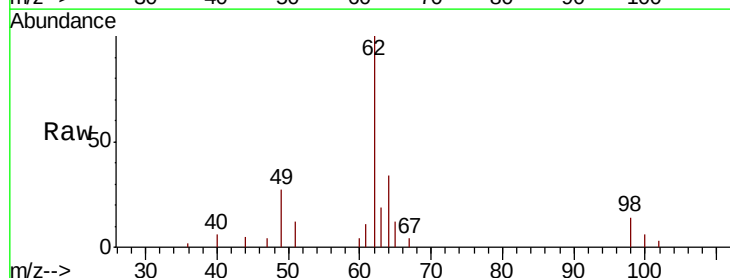
Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#42
1,2-Dichloroethane
Concen: 2.494 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN056931.D
Acq: 25 Jul 2019 20:04

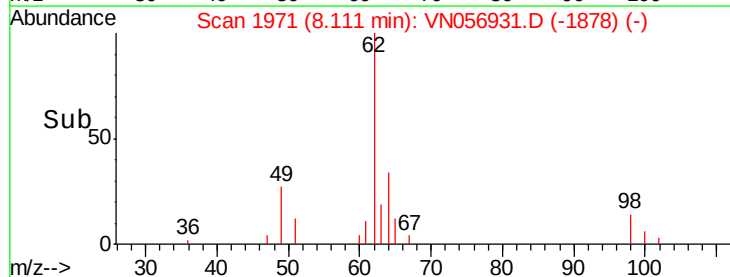
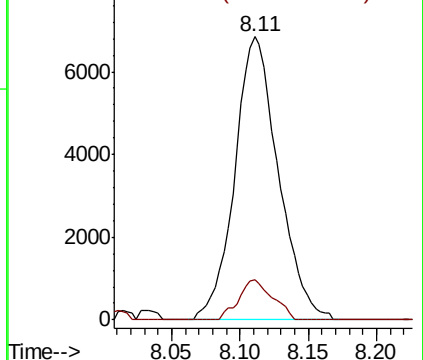
Tgt Ion:	62	Resp:	15167
Ion	Ratio	Lower	Upper
62	100		
98	11.0	0.0	20.8

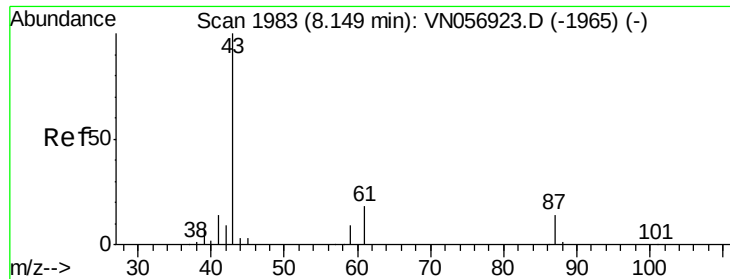


Abundance

Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 2.265 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN056931.D

Acq: 25 Jul 2019 20:04

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

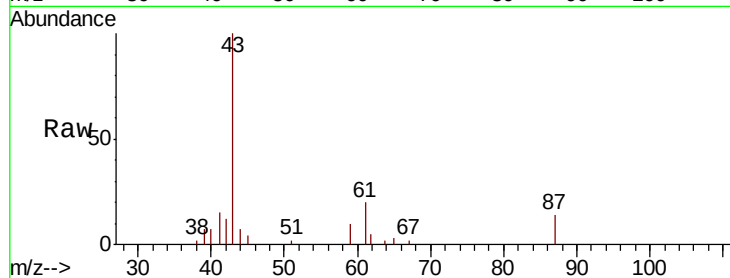
Tot Ion: 43 Resp: 19069

Ion Ratio Lower Upper

43 100

61 22.0 23.8 35.6#

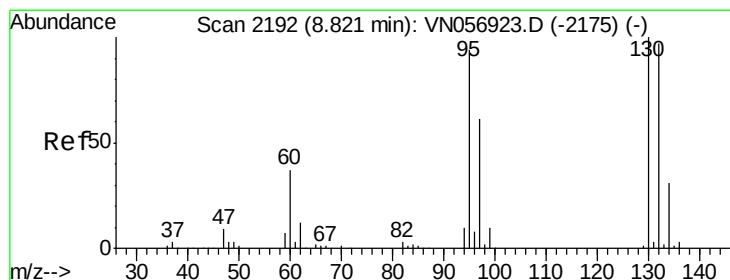
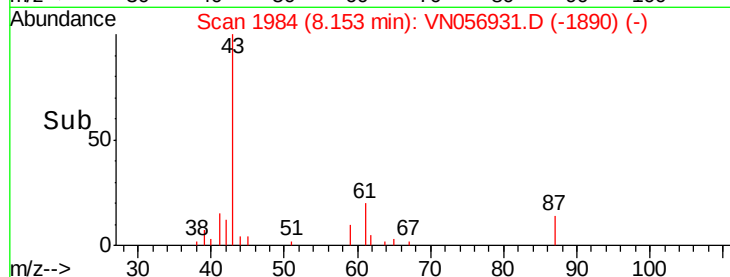
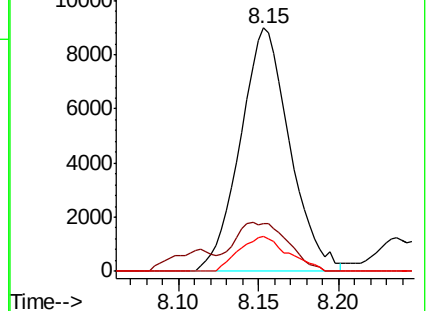
87 14.2 11.8 17.6



Abundance Ion 43.00 (42.70 to 43.70): VN056923.D (-1965) (-)

Ion 61.00 (60.70 to 61.70): VN056923.D (-1965) (-)

Ion 87.00 (86.70 to 87.70): VN056923.D (-1965) (-)



#44

Trichloroethene

Concen: 2.237 ug/l

RT: 8.83 min Scan# 2194

Delta R.T. 0.01 min

Lab File: VN056931.D

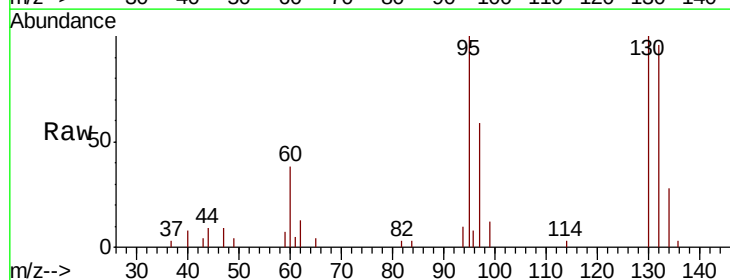
Acq: 25 Jul 2019 20:04

Tgt Ion:130 Resp: 12018

Ion Ratio Lower Upper

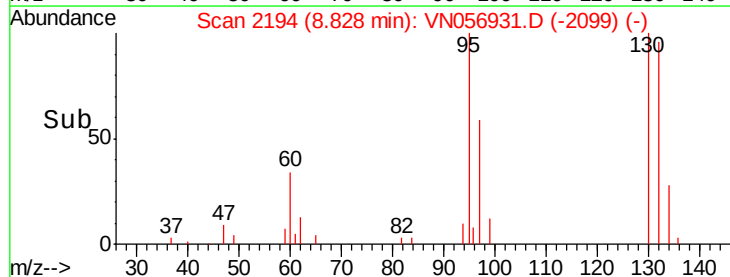
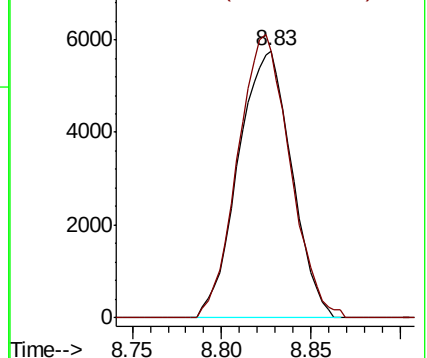
130 100

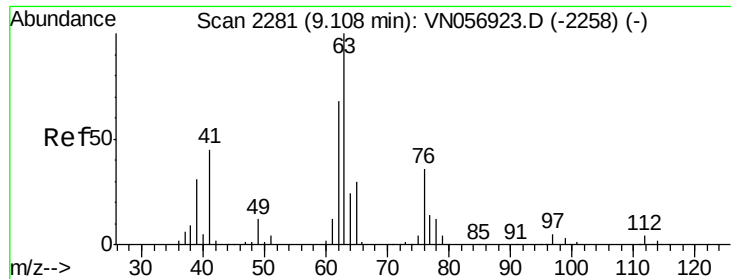
95 99.8 0.0 187.6



Abundance Ion 129.80 (129.50 to 130.50): VN056923.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN056923.D (-2175) (-)

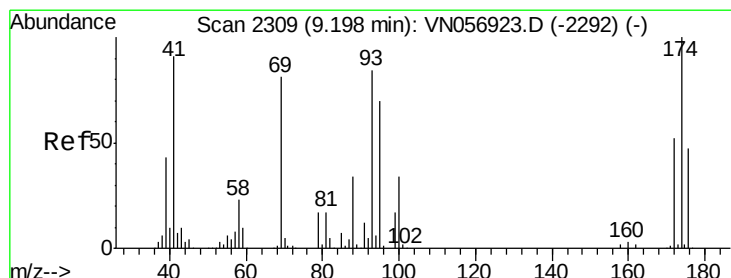
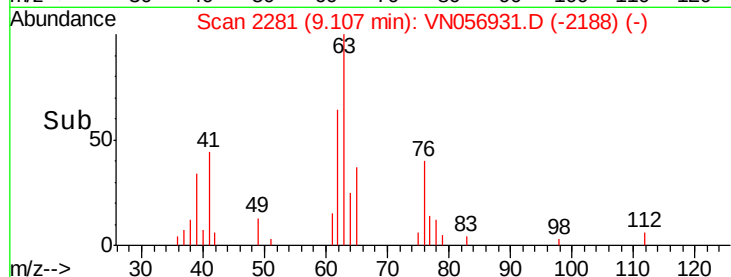
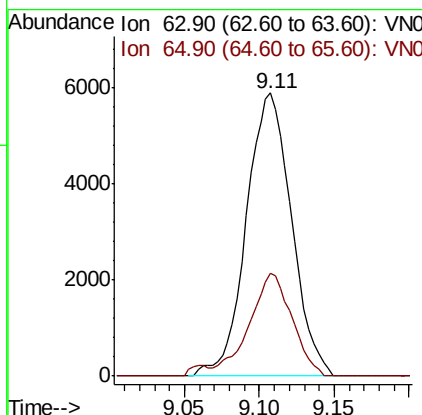
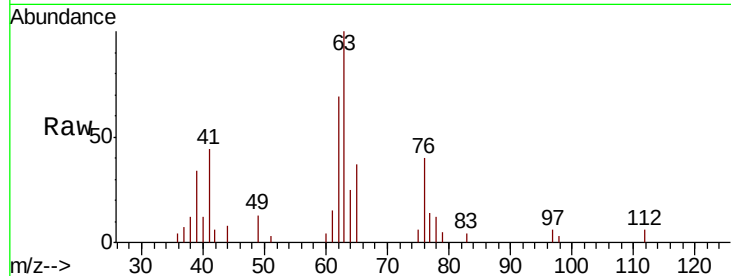




#45
 1,2-Dichloropropane
 Concen: 2.335 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN056931.D
 Acq: 25 Jul 2019 20:04

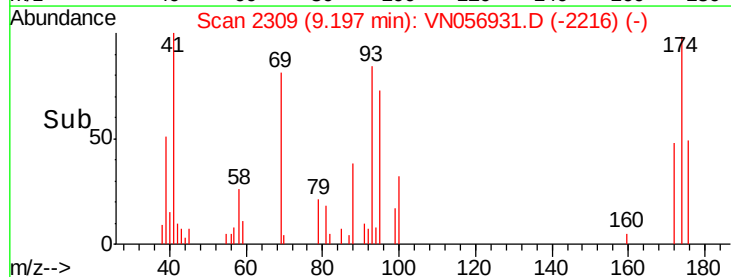
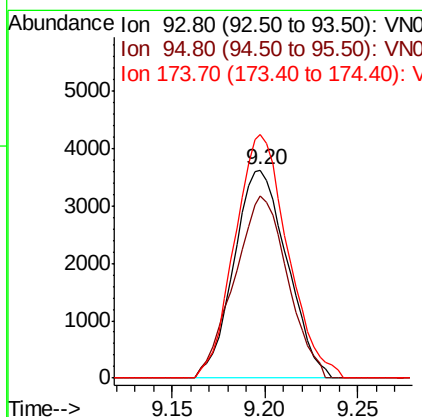
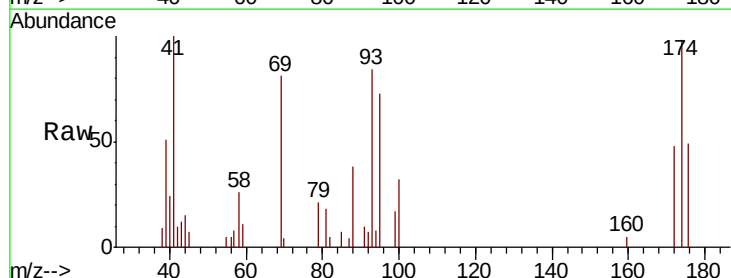
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

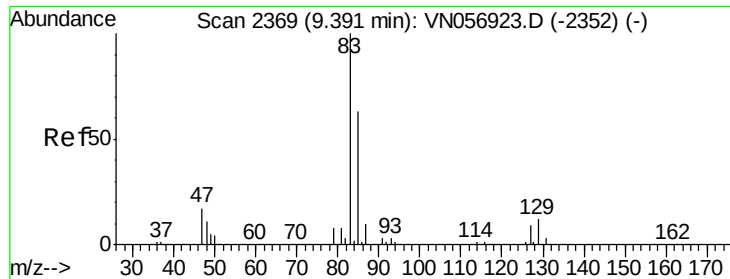
Tot Ion: 63 Resp: 12356
 Ion Ratio Lower Upper
 63 100
 65 36.6 24.5 36.7



#46
 Dibromomethane
 Concen: 2.260 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN056931.D
 Acq: 25 Jul 2019 20:04

Tgt Ion: 93 Resp: 7209
 Ion Ratio Lower Upper
 93 100
 95 87.4 66.8 100.2
 174 116.8 92.9 139.3





#47

Bromodichloromethane

Concen: 2.131 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN056931.D

Acq: 25 Jul 2019 20:04

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

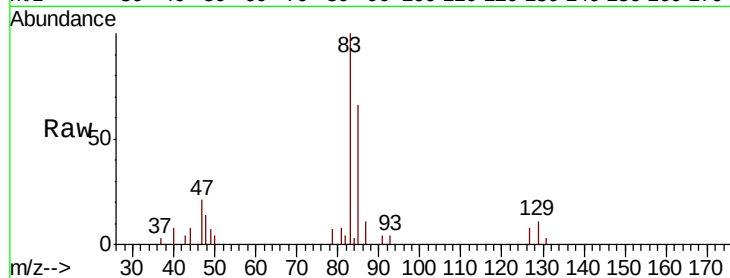
Tot Ion: 83 Resp: 13279

Ion Ratio Lower Upper

83 100

85 66.3 50.5 75.7

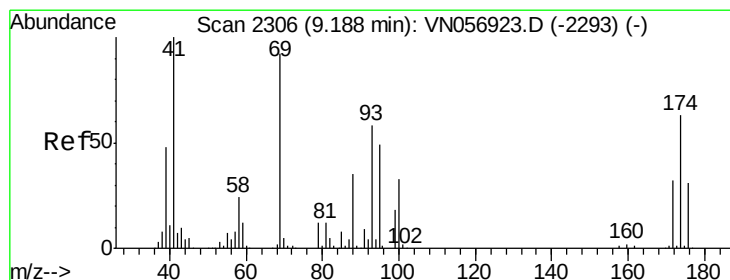
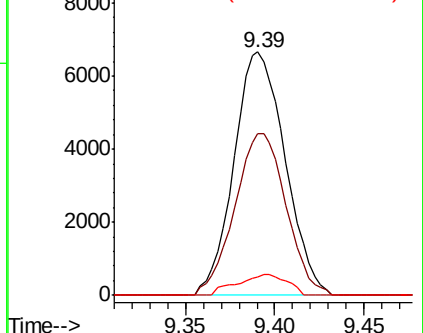
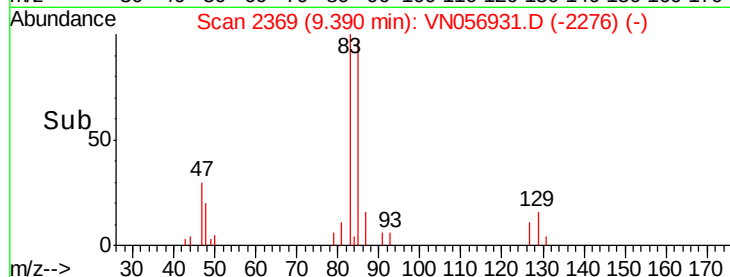
127 7.7 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VN056931.D (-2276) (-)

Ion 84.90 (84.60 to 85.60): VN056931.D (-2276) (-)

Ion 126.80 (126.50 to 127.50): VN056931.D (-2276) (-)



#48

Methyl methacrylate

Concen: 2.314 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.01 min

Lab File: VN056931.D

Acq: 25 Jul 2019 20:04

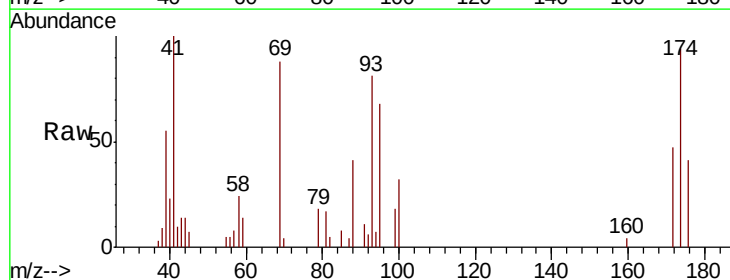
Tgt Ion: 41 Resp: 9351

Ion Ratio Lower Upper

41 100

69 82.6 73.4 110.0

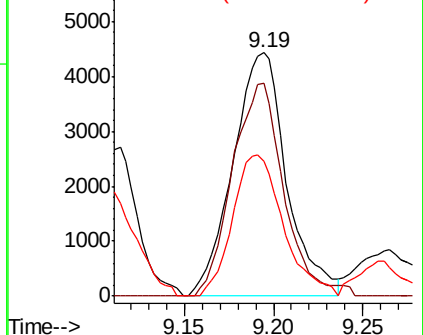
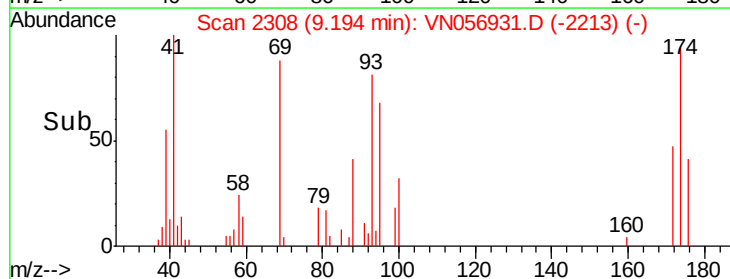
39 54.5 40.1 60.1

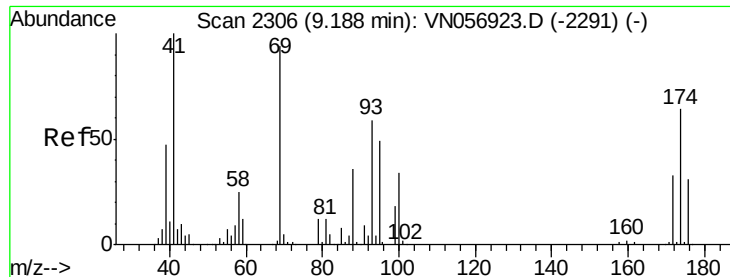


Abundance Ion 41.00 (40.70 to 41.70): VN056931.D (-2213) (-)

Ion 69.00 (68.70 to 69.70): VN056931.D (-2213) (-)

Ion 39.00 (38.70 to 39.70): VN056931.D (-2213) (-)

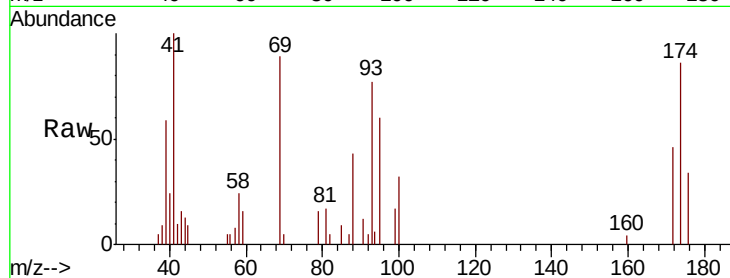




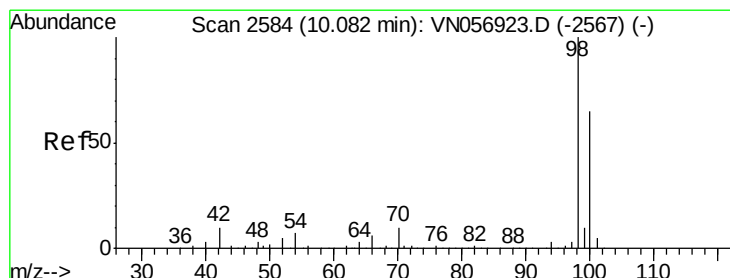
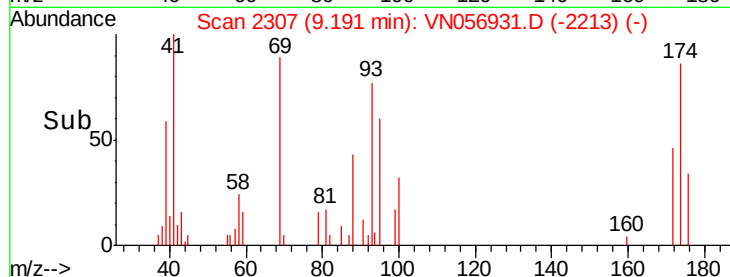
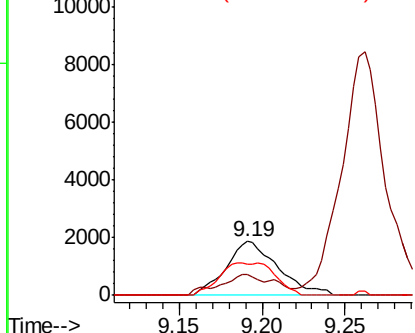
#49
 1,4-Dioxane
 Concen: 47.893 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN056931.D
 Acq: 25 Jul 2019 20:04

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

Tot Ion: 88 Resp: 4053
 Ion Ratio Lower Upper
 88 100
 43 29.6 21.1 31.7
 58 34.1 52.5 78.7#

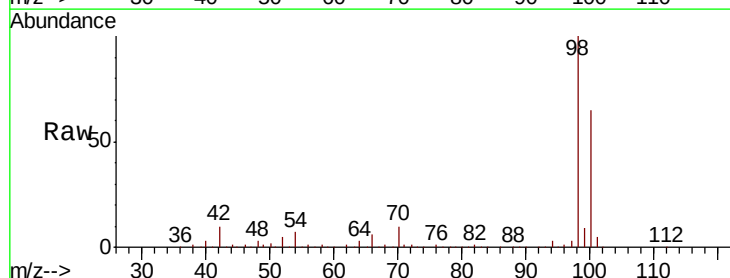


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

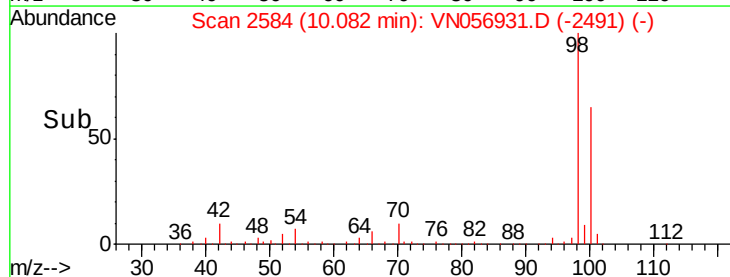
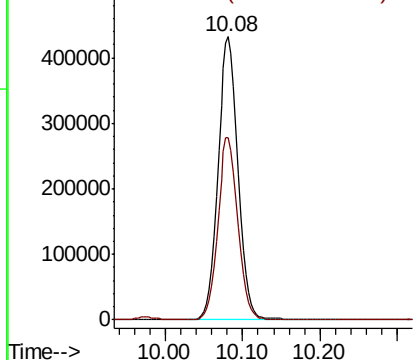


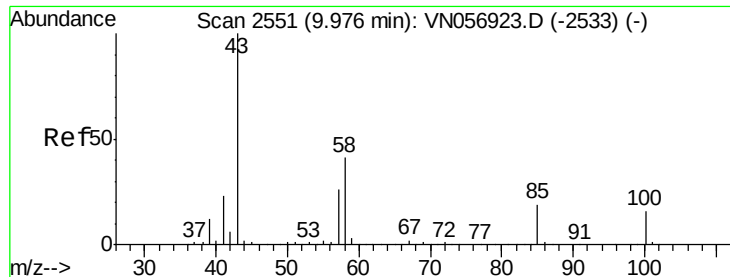
#50
 Toluene-d8
 Concen: 46.747 ug/l
 RT: 10.08 min Scan# 2584
 Delta R.T. -0.00 min
 Lab File: VN056931.D
 Acq: 25 Jul 2019 20:04

Tgt Ion: 98 Resp: 782292
 Ion Ratio Lower Upper
 98 100
 100 64.3 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 11.396 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VN056931.D

Acq: 25 Jul 2019 20:04

Instrument :

MSVOA_N

ClientSampleId :

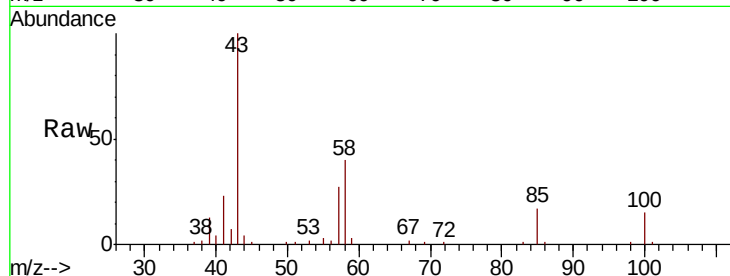
LOD-MDL-WATER-01-QT3-2019

Tot Ion: 43 Resp: 57044

Ion Ratio Lower Upper

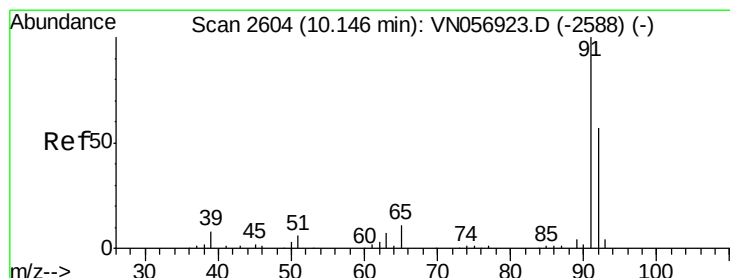
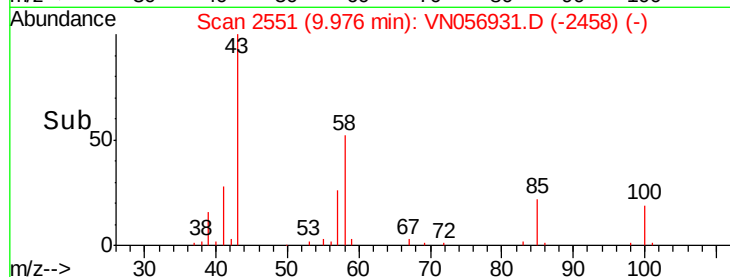
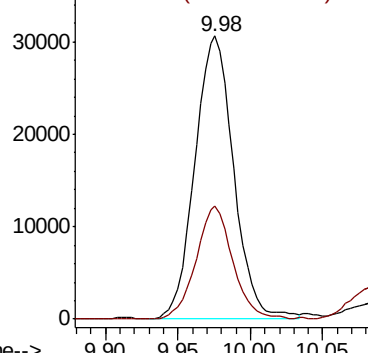
43 100

58 37.7 32.8 49.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 2.311 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN056931.D

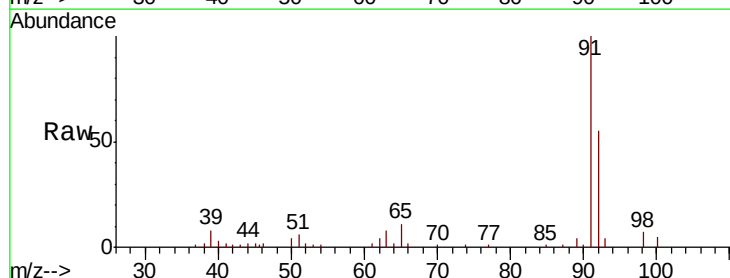
Acq: 25 Jul 2019 20:04

Tgt Ion: 92 Resp: 27290

Ion Ratio Lower Upper

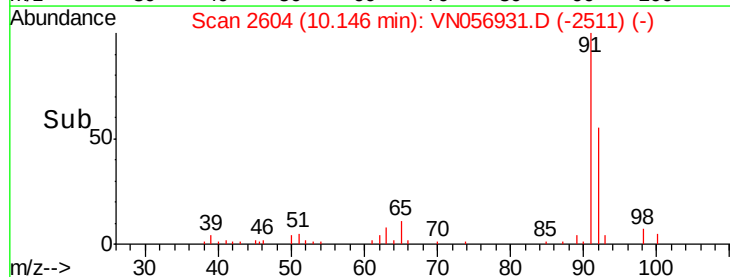
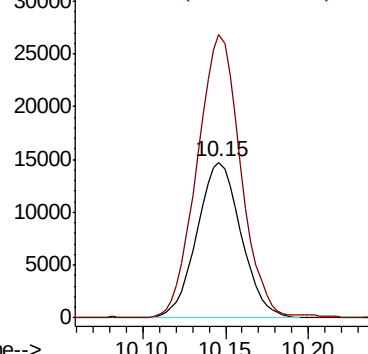
92 100

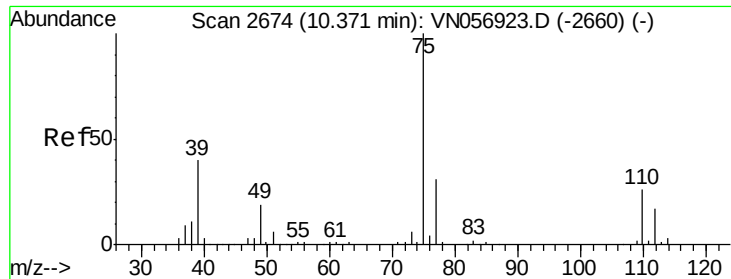
91 179.4 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

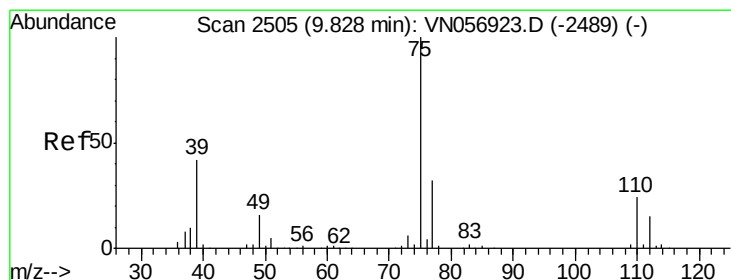
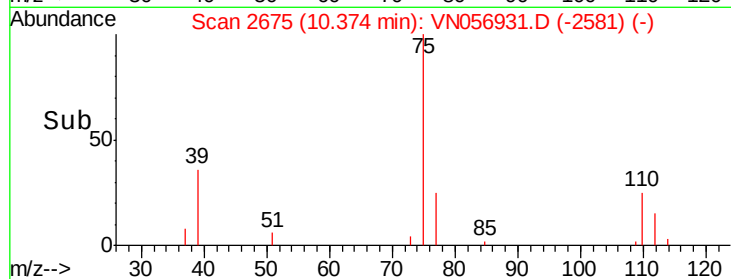
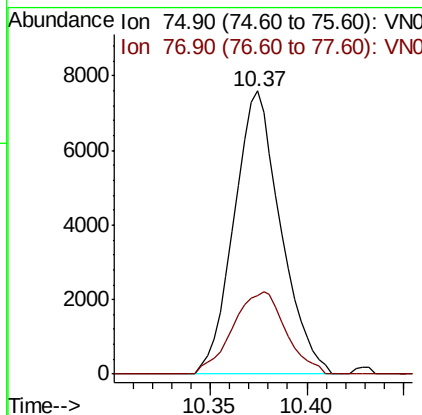
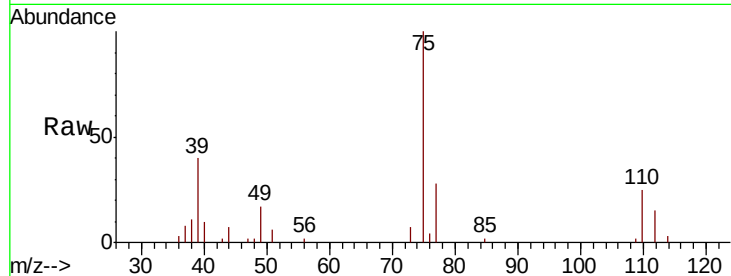




#53
t-1,3-Dichloropropene
Concen: 2.028 ug/l
RT: 10.37 min Scan# 2675
Delta R.T. 0.00 min
Lab File: VN056931.D
Acq: 25 Jul 2019 20:04

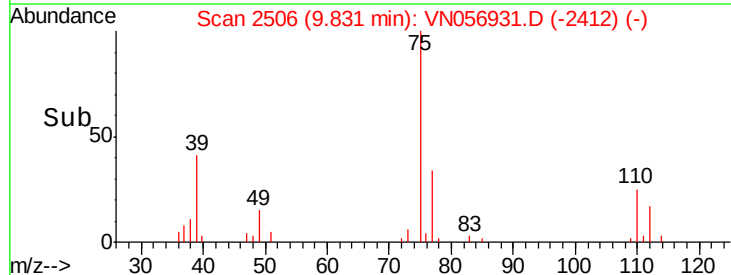
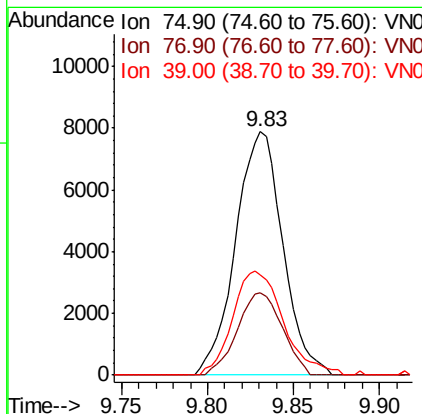
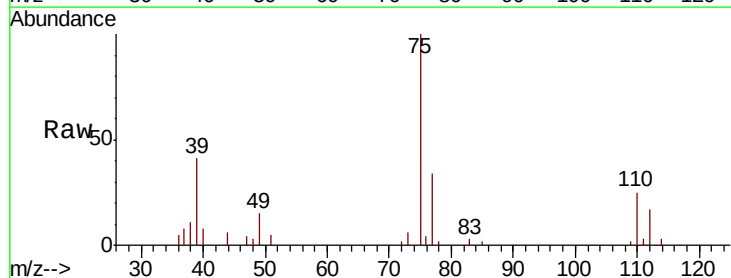
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

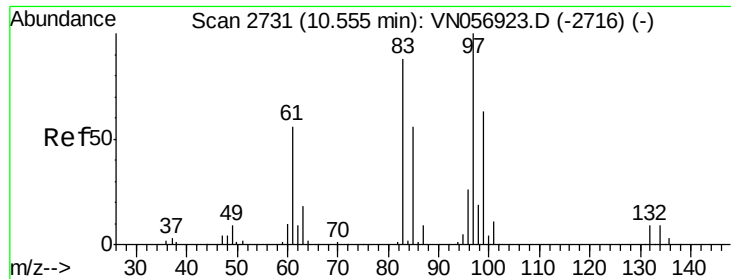
Tot Ion: 75 Resp: 12736
Ion Ratio Lower Upper
75 100
77 28.0 25.0 37.6



#54
cis-1,3-Dichloropropene
Concen: 2.038 ug/l
RT: 9.83 min Scan# 2506
Delta R.T. 0.00 min
Lab File: VN056931.D
Acq: 25 Jul 2019 20:04

Tgt Ion: 75 Resp: 15073
Ion Ratio Lower Upper
75 100
77 33.6 25.4 38.0
39 41.3 33.4 50.0

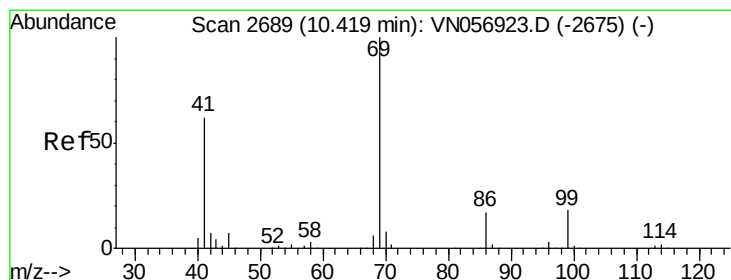
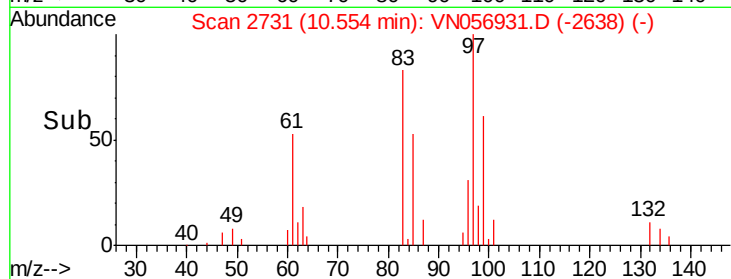
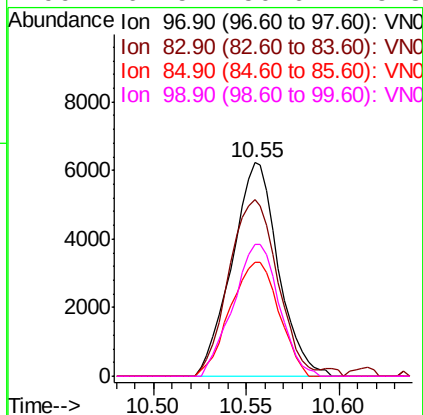
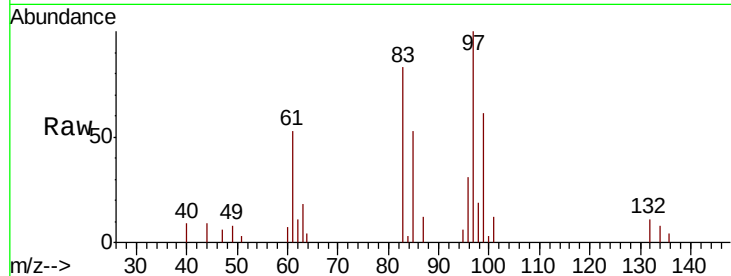




#55
 1,1,2-Trichloroethane
 Concen: 2.279 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN056931.D
 Acq: 25 Jul 2019 20:04

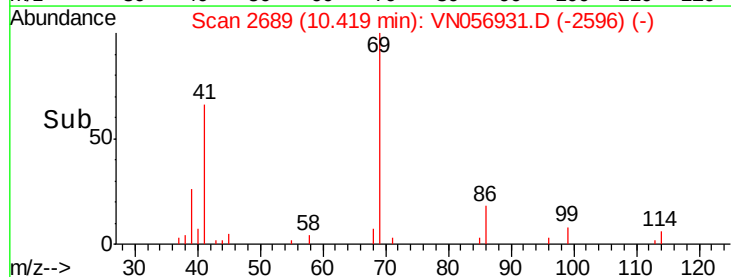
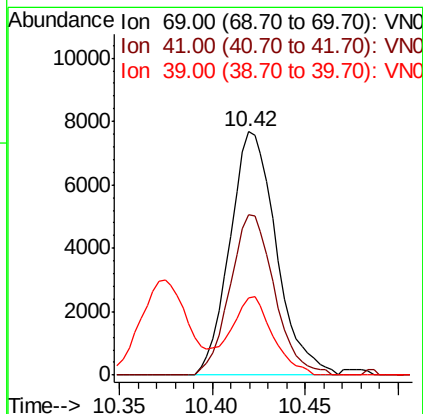
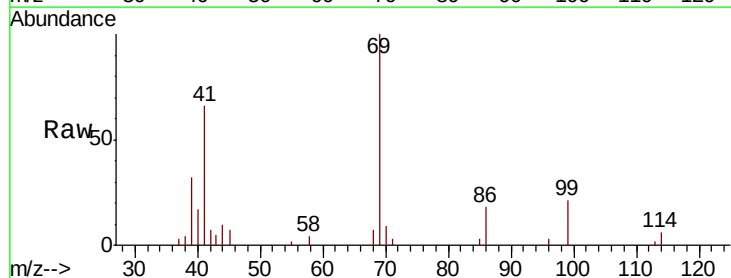
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

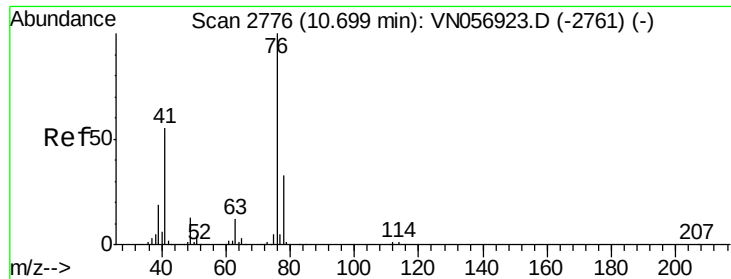
Tot Ion:	97	Resp:	10787
Ion	Ratio	Lower	Upper
97	100		
83	82.8	70.1	105.1
85	53.3	45.1	67.7
99	61.5	50.6	75.8



#56
 Ethyl methacrylate
 Concen: 2.100 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. -0.00 min
 Lab File: VN056931.D
 Acq: 25 Jul 2019 20:04

Tgt Ion:	69	Resp:	13363
Ion	Ratio	Lower	Upper
69	100		
41	63.0	49.7	74.5
39	29.1	23.6	35.4

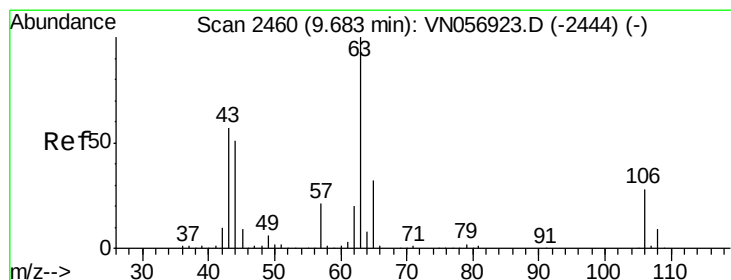
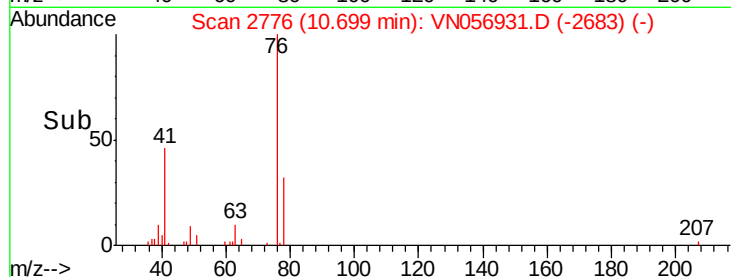
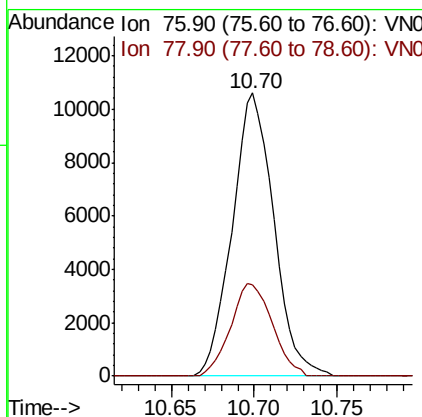
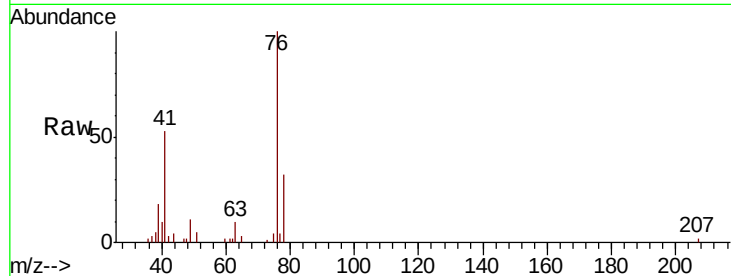




#57
 1,3-Dichloropropane
 Concen: 2.394 ug/l
 RT: 10.70 min Scan# 2776
 Delta R.T. -0.00 min
 Lab File: VN056931.D
 Acq: 25 Jul 2019 20:04

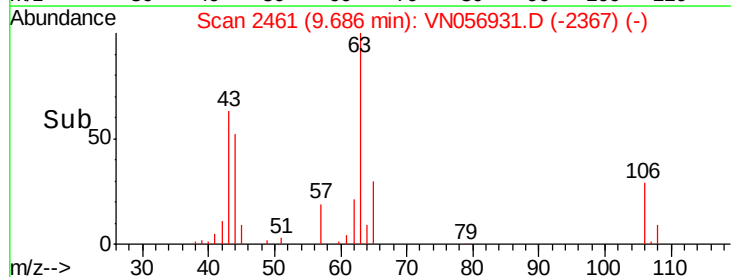
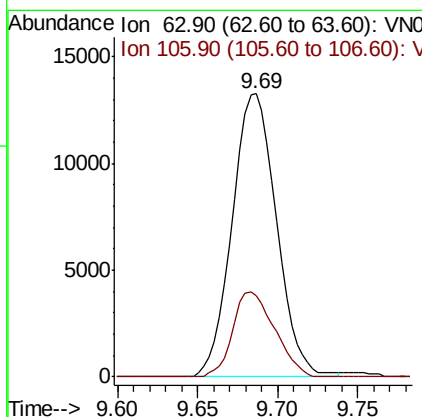
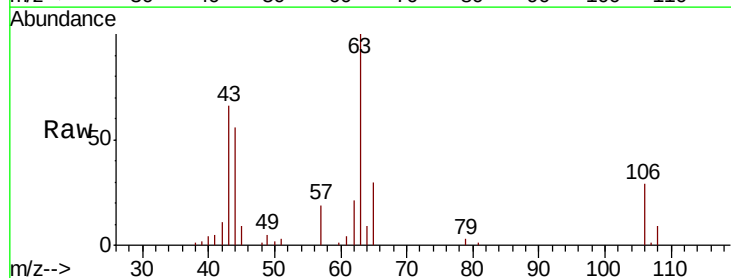
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

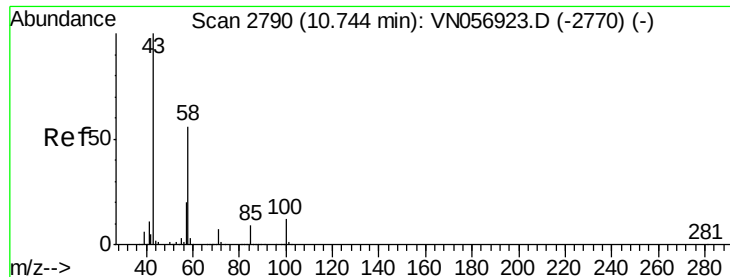
Tot Ion: 76 Resp: 18546
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 10.029 ug/l
 RT: 9.69 min Scan# 2461
 Delta R.T. 0.00 min
 Lab File: VN056931.D
 Acq: 25 Jul 2019 20:04

Tgt Ion: 63 Resp: 25157
 Ion Ratio Lower Upper
 63 100
 106 28.3 22.2 33.4

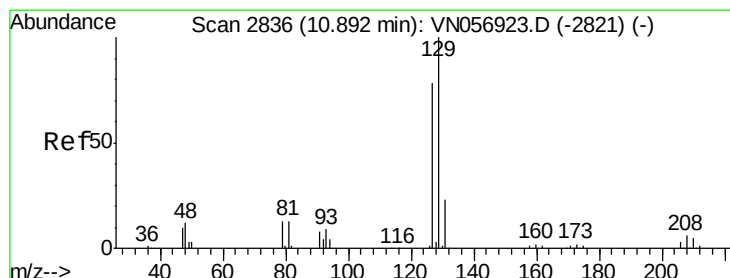
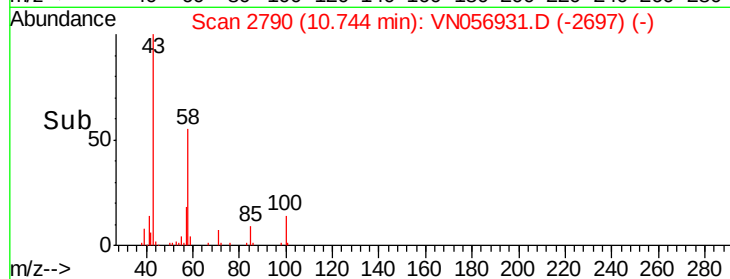
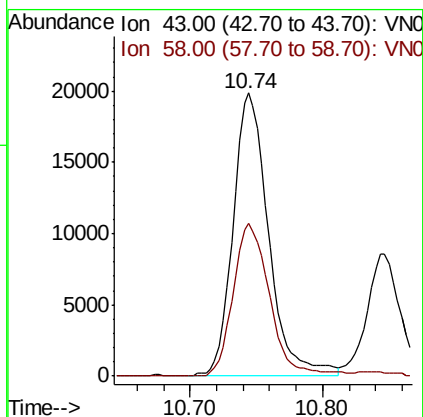
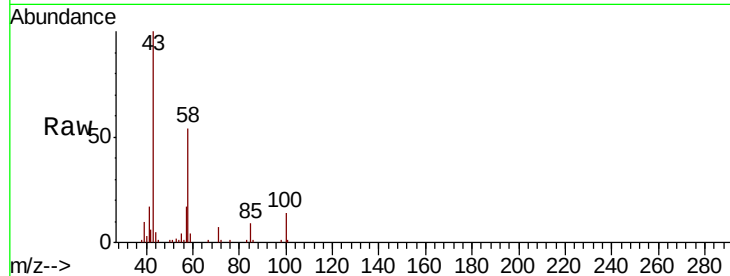




#59
2-Hexanone
Concen: 10.767 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN056931.D
Acq: 25 Jul 2019 20:04

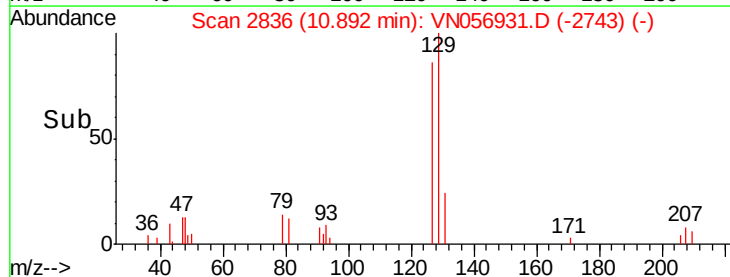
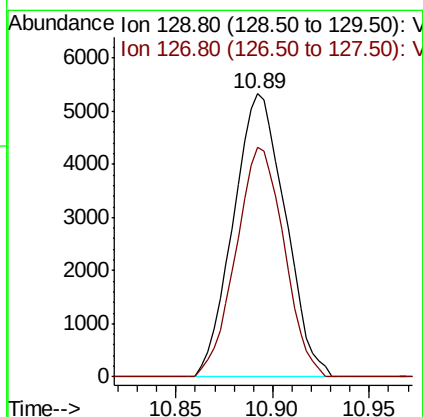
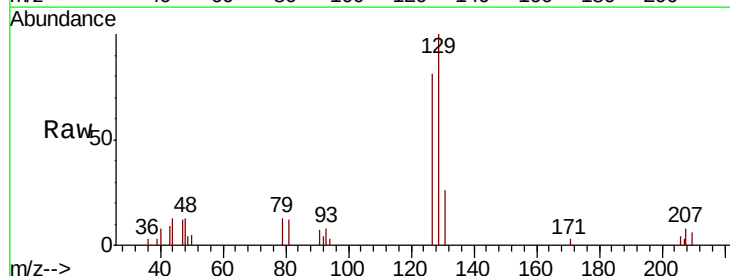
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

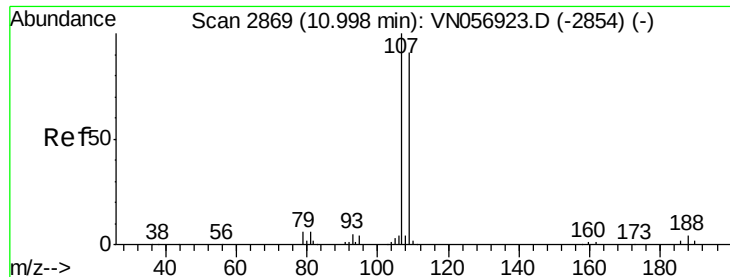
Tot Ion: 43 Resp: 36950
Ion Ratio Lower Upper
43 100
58 55.6 28.2 84.6



#60
Dibromochloromethane
Concen: 2.070 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN056931.D
Acq: 25 Jul 2019 20:04

Tgt Ion: 129 Resp: 9956
Ion Ratio Lower Upper
129 100
127 75.3 38.4 115.2

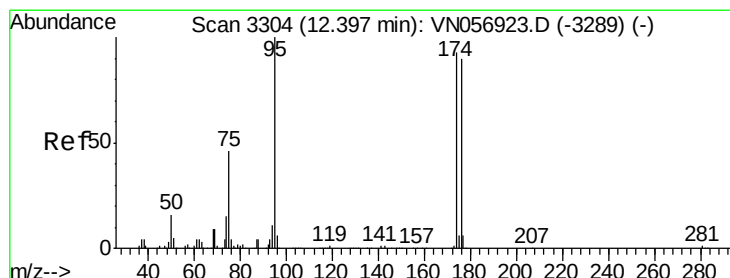
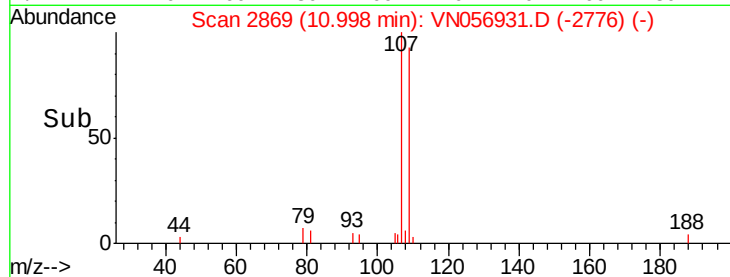
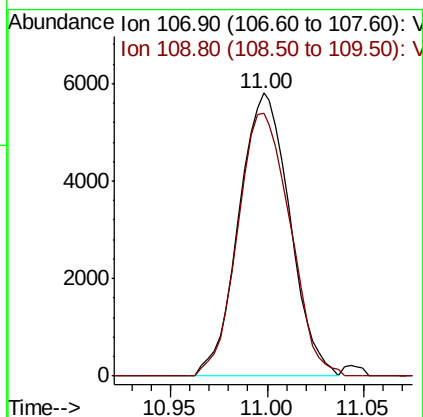
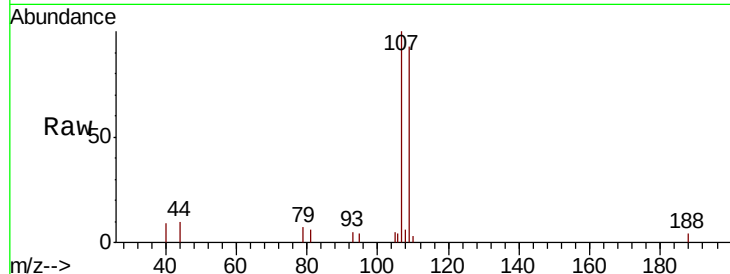




#61
 1,2-Dibromoethane
 Concen: 2.251 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. -0.00 min
 Lab File: VN056931.D
 Acq: 25 Jul 2019 20:04

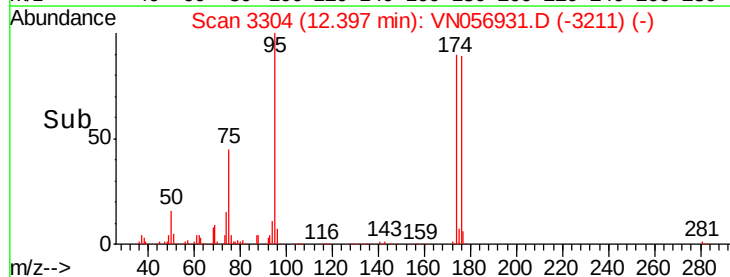
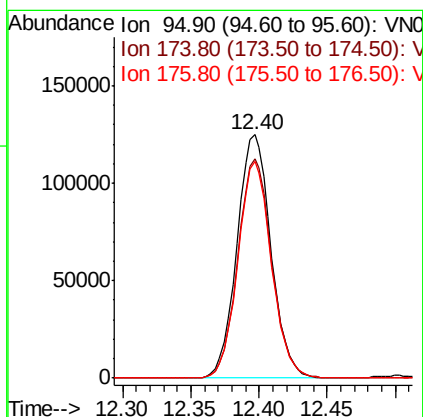
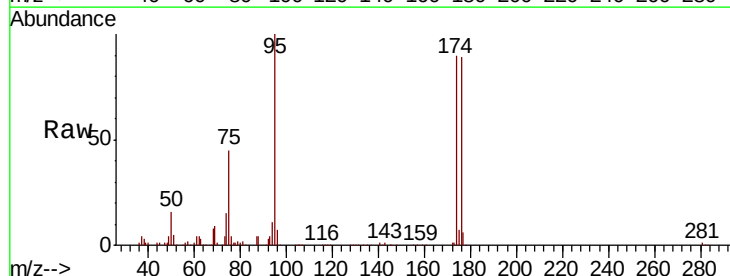
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

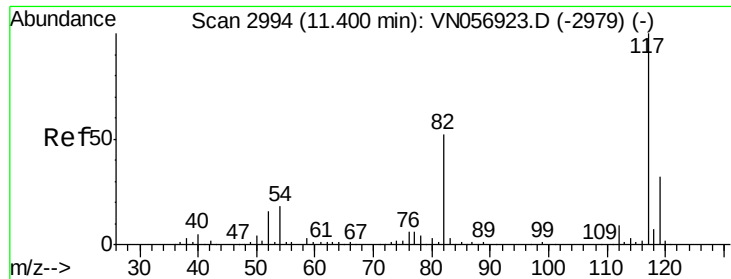
Tot Ion:107 Resp: 10578
 Ion Ratio Lower Upper
 107 100
 109 95.8 74.8 112.2



#62
 4-Bromofluorobenzene
 Concen: 39.413 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN056931.D
 Acq: 25 Jul 2019 20:04

Tgt Ion: 95 Resp: 215359
 Ion Ratio Lower Upper
 95 100
 174 90.0 0.0 186.2
 176 87.9 0.0 179.6

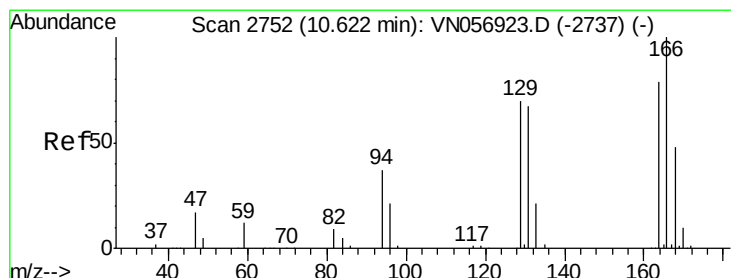
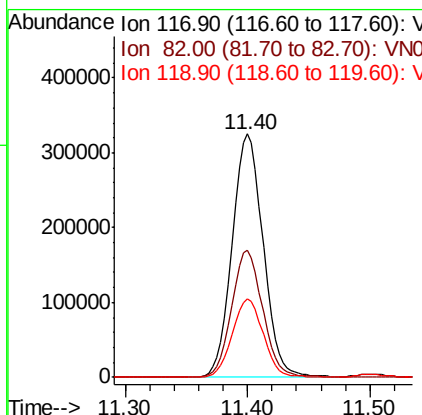
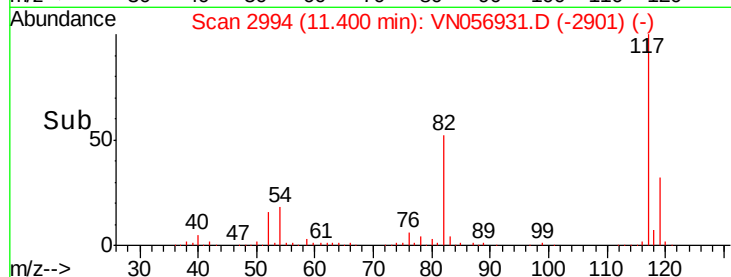
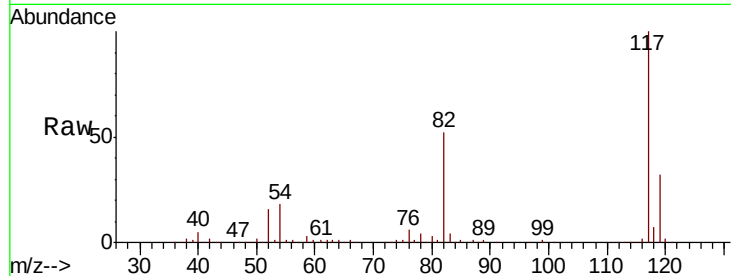




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN056931.D
Acq: 25 Jul 2019 20:04

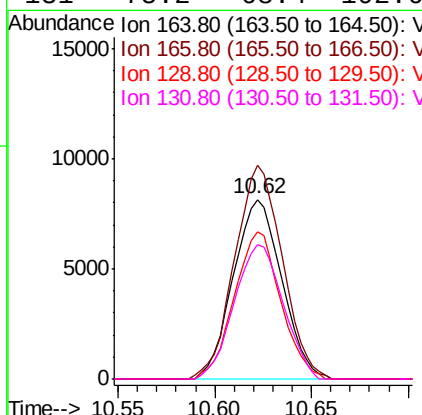
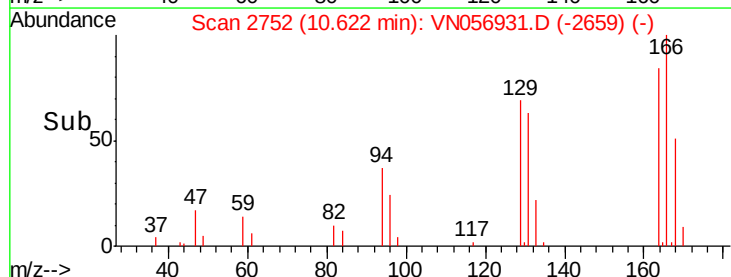
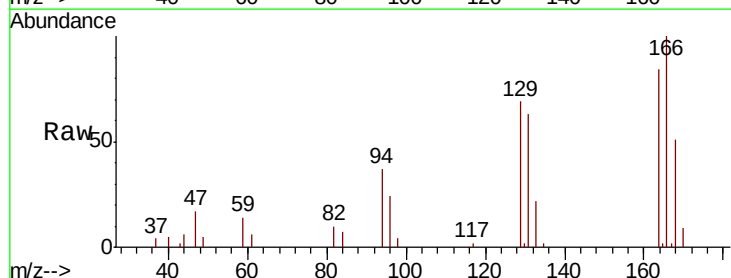
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

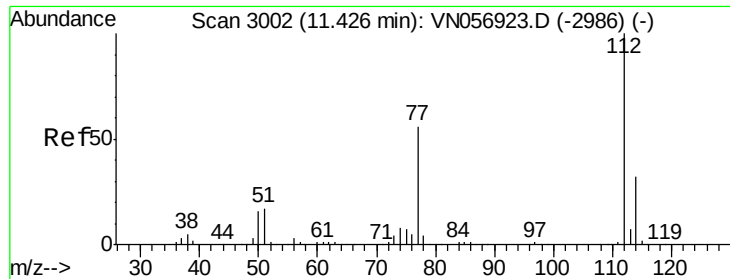
Tot Ion:117 Resp: 574916
Ion Ratio Lower Upper
117 100
82 52.0 41.7 62.5
119 32.0 25.5 38.3



#64
Tetrachloroethene
Concen: 2.698 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN056931.D
Acq: 25 Jul 2019 20:04

Tgt Ion:164 Resp: 14171
Ion Ratio Lower Upper
164 100
166 119.0 101.6 152.4
129 82.2 70.9 106.3
131 75.2 68.4 102.6

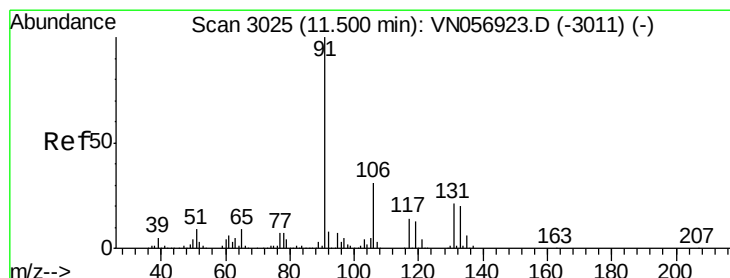
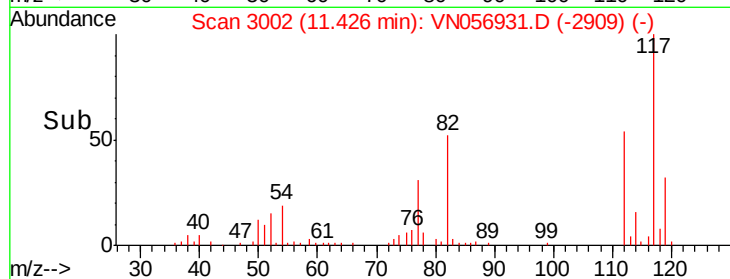
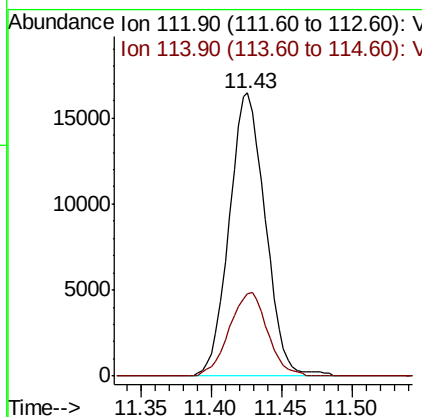
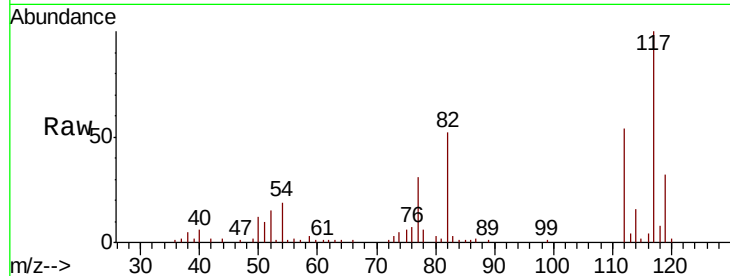




#65
Chlorobenzene
Concen: 2.448 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN056931.D
Acq: 25 Jul 2019 20:04

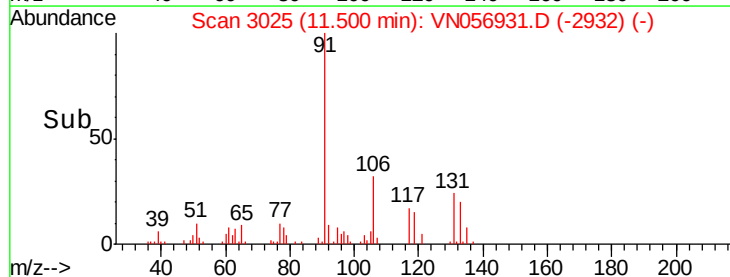
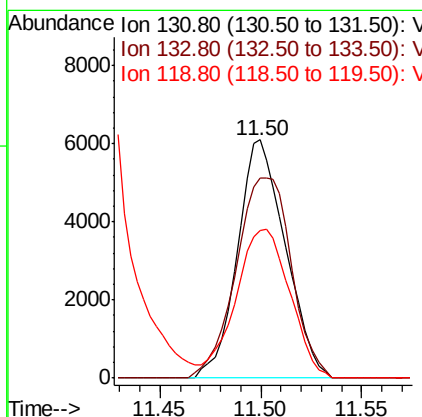
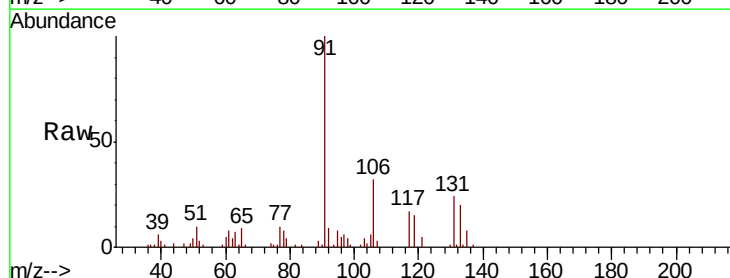
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

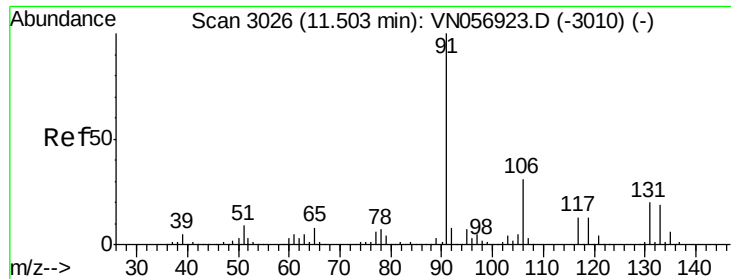
Tot Ion:112 Resp: 29443
Ion Ratio Lower Upper
112 100
114 29.2 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 2.267 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN056931.D
Acq: 25 Jul 2019 20:04

Tgt Ion:131 Resp: 10143
Ion Ratio Lower Upper
131 100
133 97.0 47.1 141.4
119 70.2 32.6 98.0

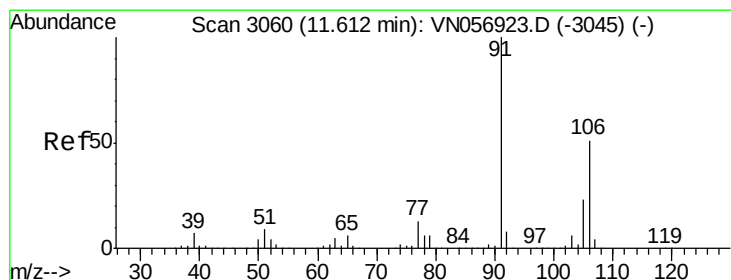
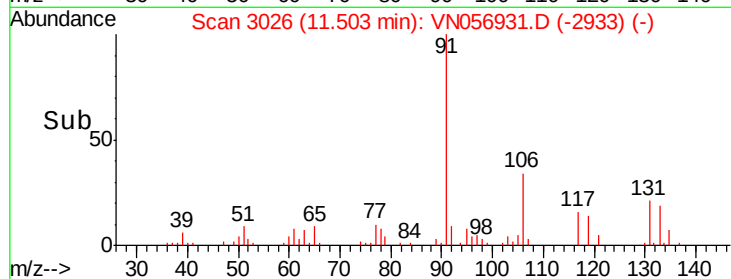
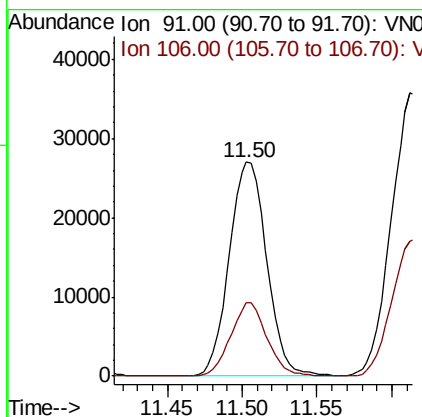
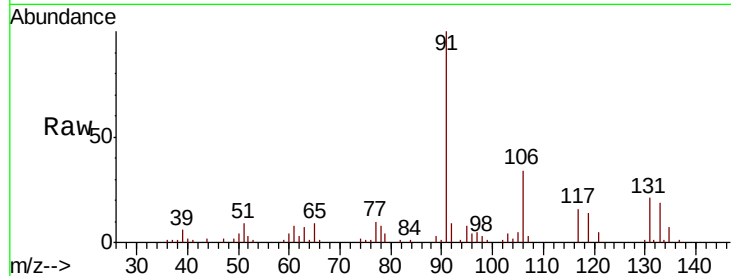




#67
Ethyl Benzene
Concen: 2.277 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN056931.D
Acq: 25 Jul 2019 20:04

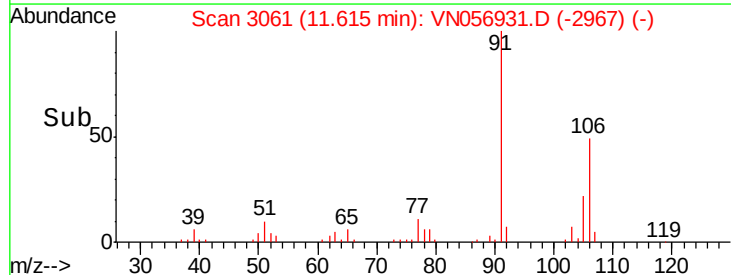
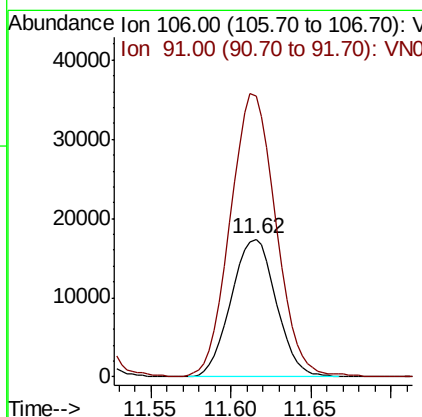
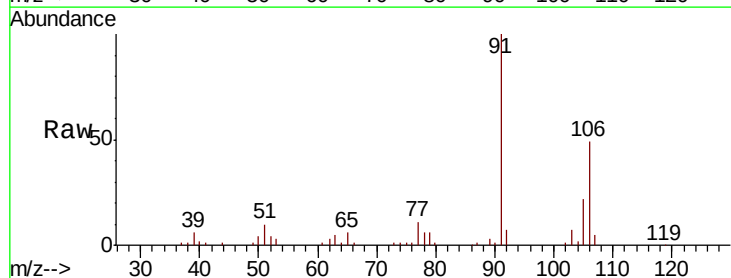
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

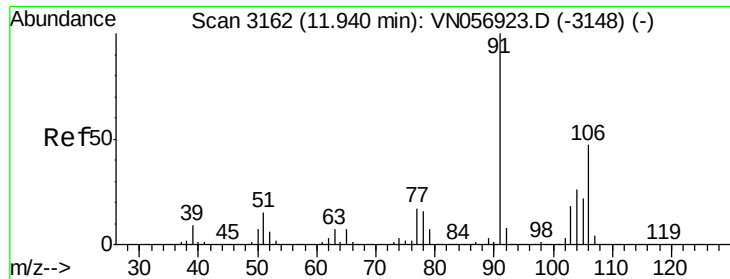
Tot Ion: 91 Resp: 47150
Ion Ratio Lower Upper
91 100
106 34.4 24.9 37.3



#68
m/p-Xylenes
Concen: 4.337 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN056931.D
Acq: 25 Jul 2019 20:04

Tgt Ion: 106 Resp: 33492
Ion Ratio Lower Upper
106 100
91 208.0 159.6 239.4

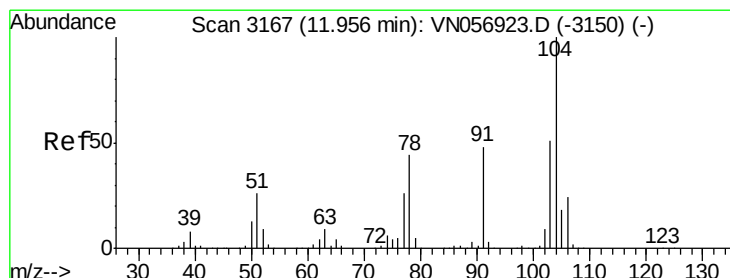
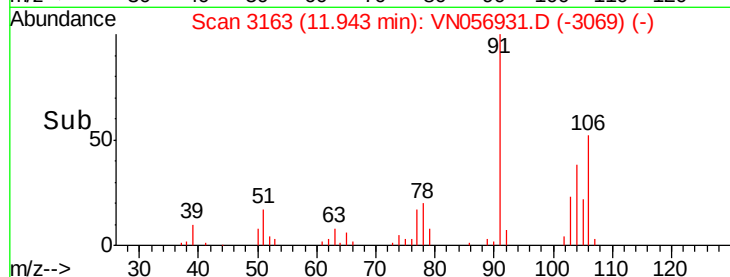
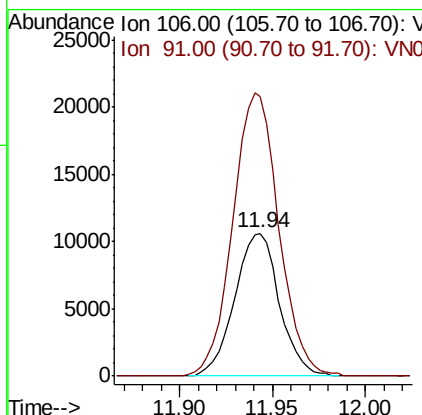
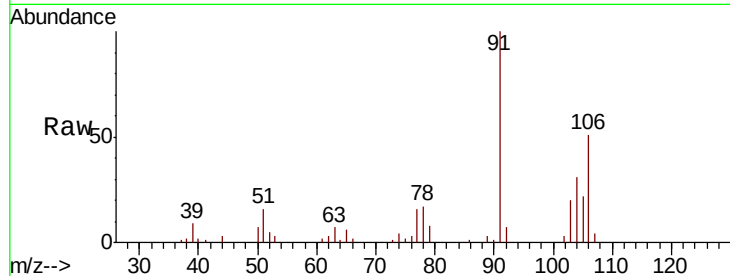




#69
o-Xylene
Concen: 2.337 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN056931.D
Acq: 25 Jul 2019 20:04

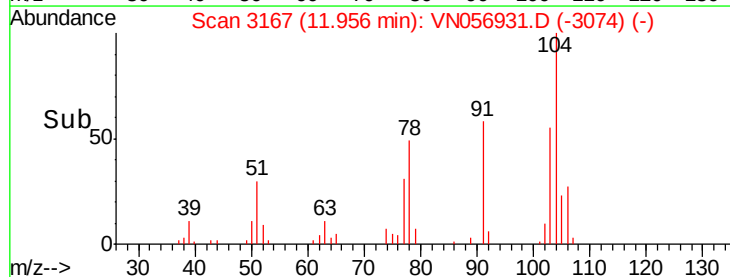
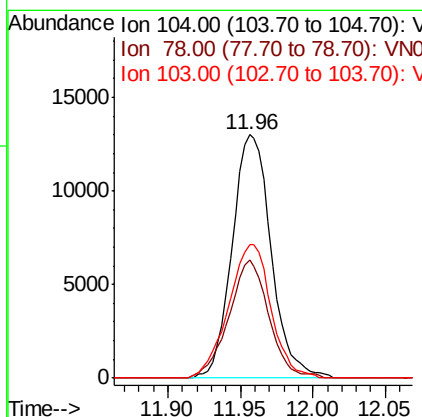
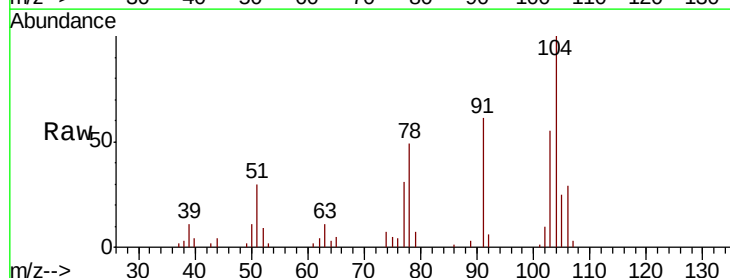
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2019

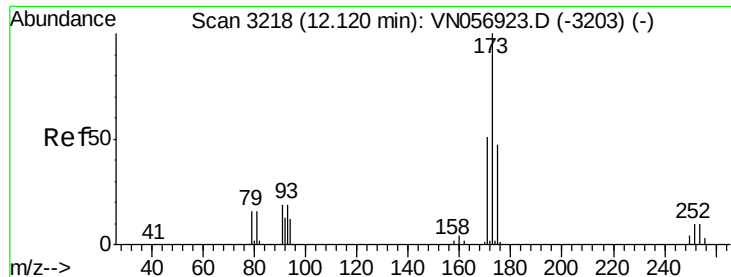
Tot Ion:106 Resp: 17658
Ion Ratio Lower Upper
106 100
91 204.9 105.7 317.0



#70
Styrene
Concen: 2.028 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN056931.D
Acq: 25 Jul 2019 20:04

Tgt Ion:104 Resp: 24280
Ion Ratio Lower Upper
104 100
78 49.5 38.5 57.7
103 59.9 44.1 66.1





#71

Bromoform

Concen: 1.942 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. 0.00 min

Lab File: VN056931.D

Acq: 25 Jul 2019 20:04

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

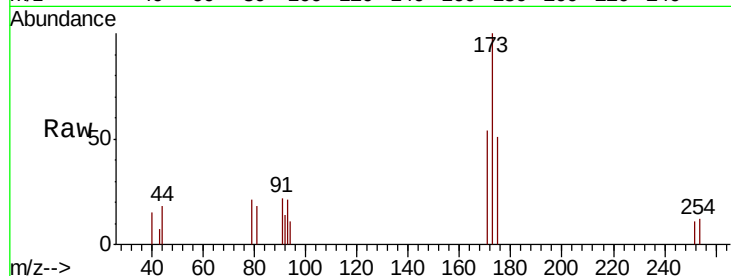
Tot Ion:173 Resp: 6033

Ion Ratio Lower Upper

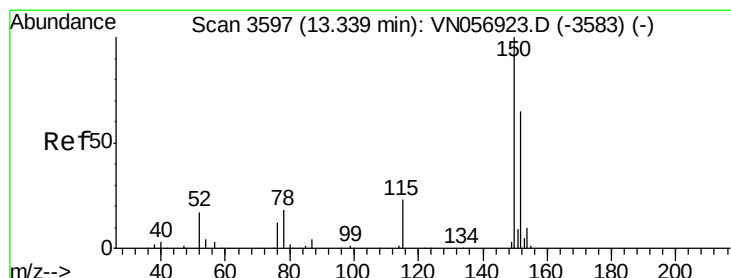
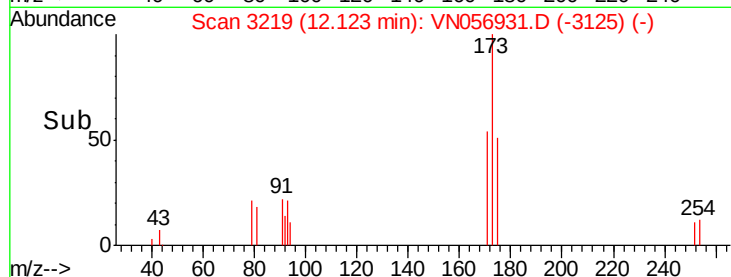
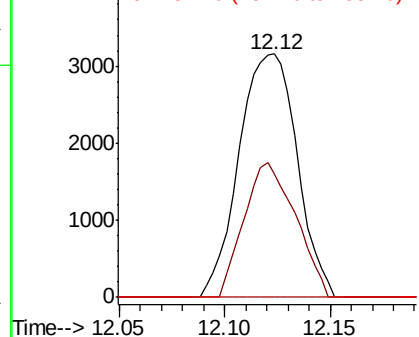
173 100

175 49.1 24.2 72.6

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN056931.D

Acq: 25 Jul 2019 20:04

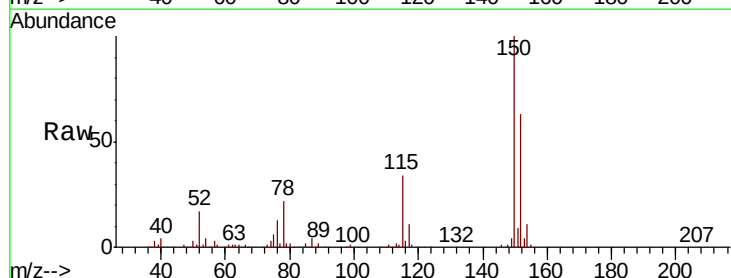
Tgt Ion:152 Resp: 172253

Ion Ratio Lower Upper

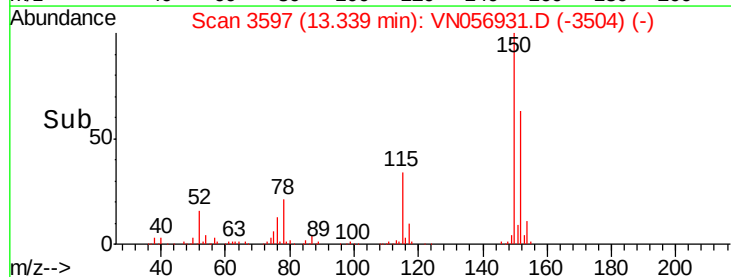
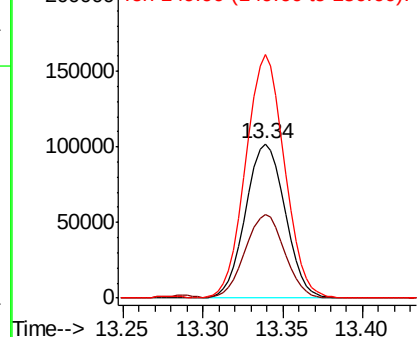
152 100

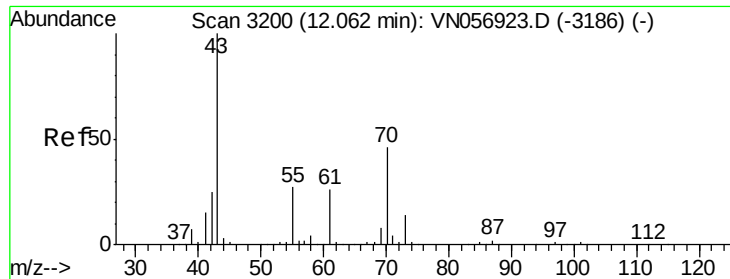
115 54.1 27.9 83.7

150 154.1 0.0 354.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 2.743 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN056931.D

Acq: 25 Jul 2019 20:04

Instrument :

MSVOA_N

ClientSampleId :

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Tot Ion: 43 Resp: 12622

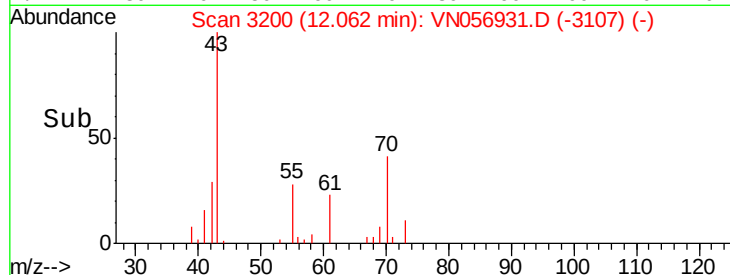
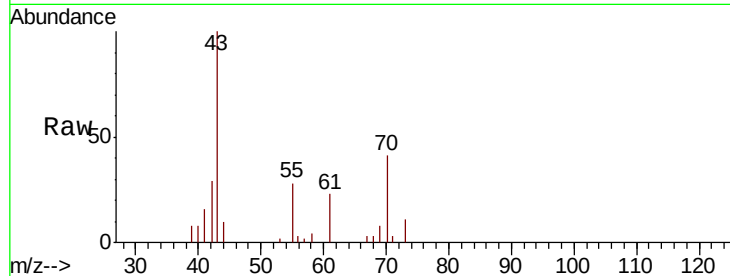
Ion Ratio Lower Upper

43 100

70 39.2 35.9 53.9

55 26.6 21.4 32.2

61 22.3 20.3 30.5

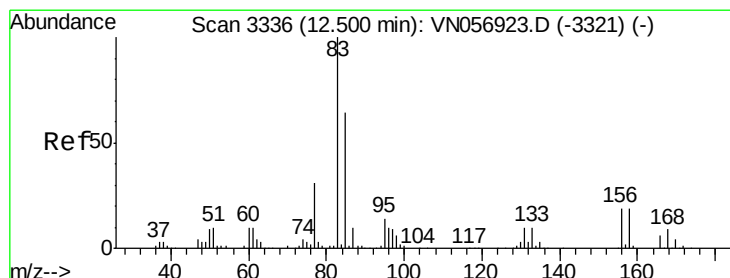
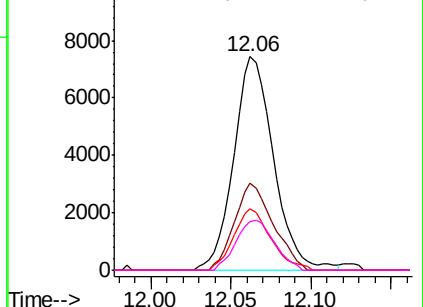


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: 2.990 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. -0.00 min

Lab File: VN056931.D

Acq: 25 Jul 2019 20:04

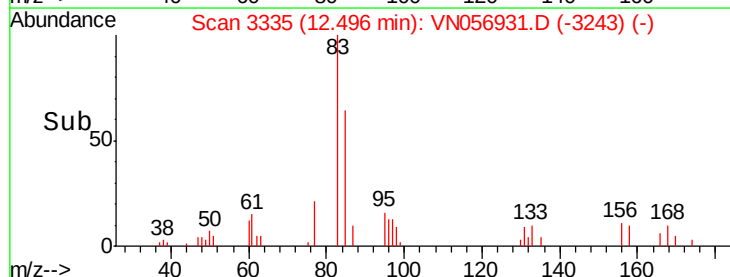
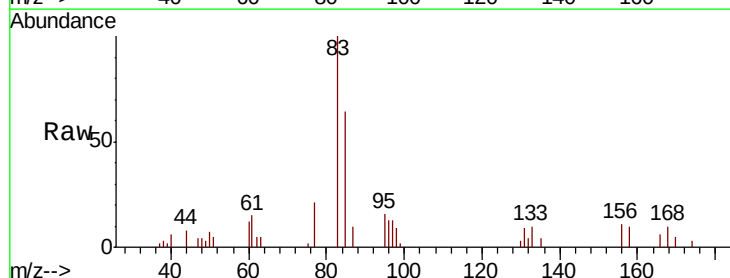
Tgt Ion: 83 Resp: 13506

Ion Ratio Lower Upper

83 100

131 8.8 5.3 15.8

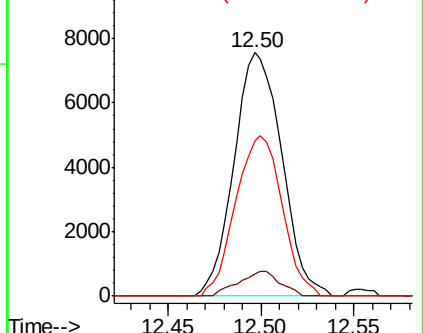
85 64.0 32.3 96.9

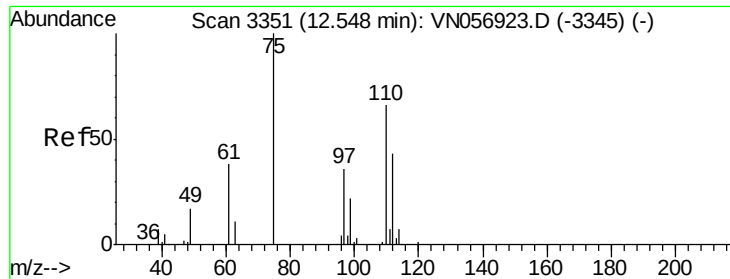


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0

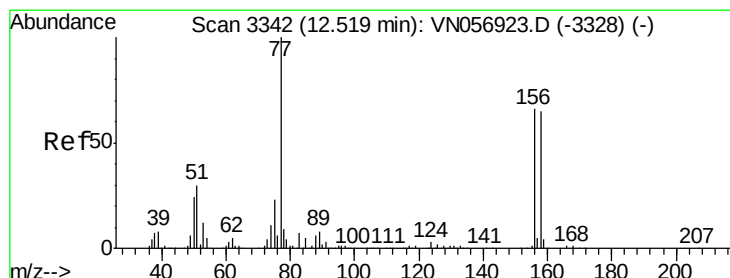
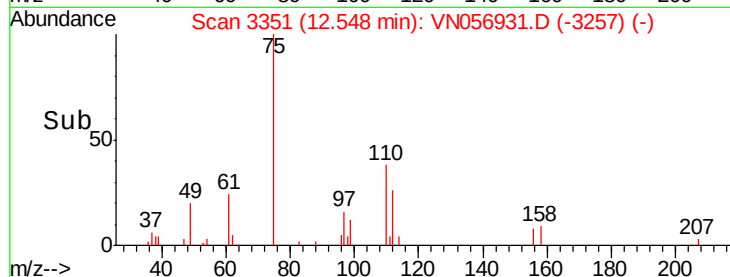
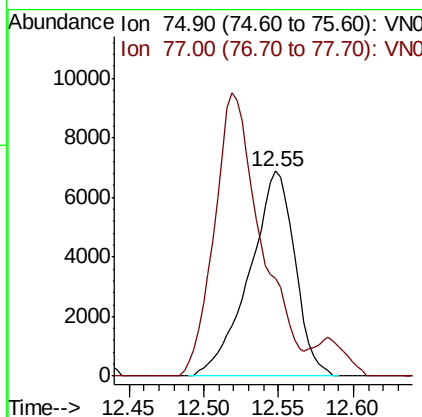
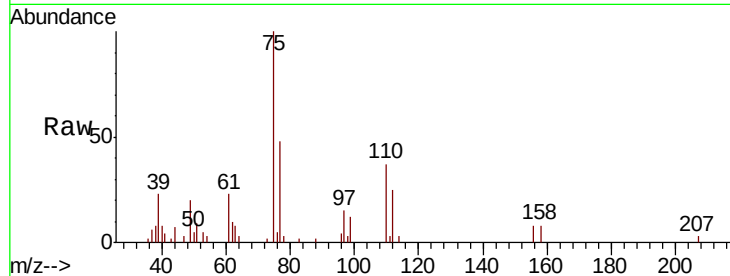




#76
 1,2,3-Trichloropropane
 Concen: 4.227 ug/l
 RT: 12.55 min Scan# 3351
 Delta R.T. 0.00 min
 Lab File: VN056931.D
 Acq: 25 Jul 2019 20:04

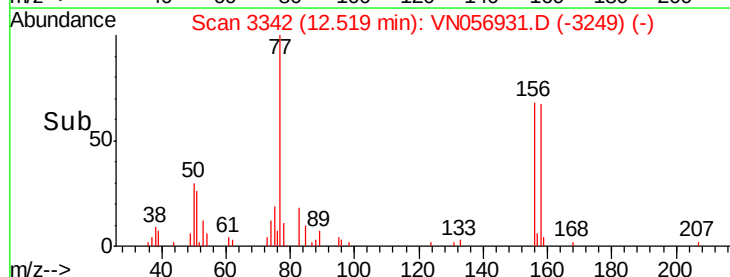
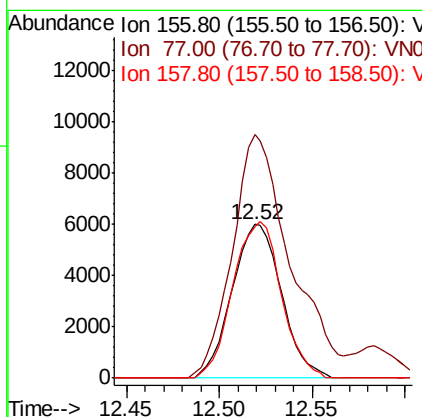
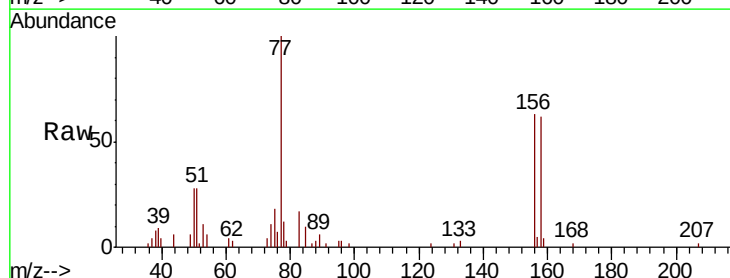
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

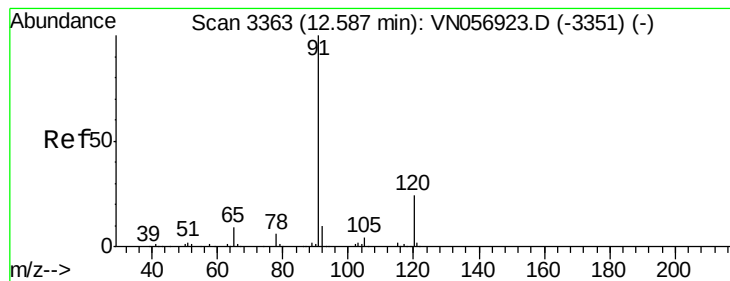
Tot Ion: 75 Resp: 14579
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0



#77
 Bromobenzene
 Concen: 2.780 ug/l
 RT: 12.52 min Scan# 3342
 Delta R.T. -0.00 min
 Lab File: VN056931.D
 Acq: 25 Jul 2019 20:04

Tgt Ion: 156 Resp: 11136
 Ion Ratio Lower Upper
 156 100
 77 186.1 90.8 272.3
 158 99.9 49.5 148.5





#78

n-propylbenzene

Concen: 2.593 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN056931.D

Acq: 25 Jul 2019 20:04

Instrument :

MSVOA_N

ClientSampleId :

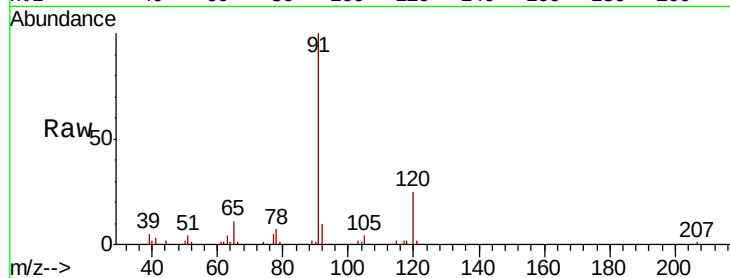
LOD-MDL-WATER-01-QT3-2019

Tot Ion: 91 Resp: 42932

Ion Ratio Lower Upper

91 100

120 23.8 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

30000

25000

20000

15000

10000

5000

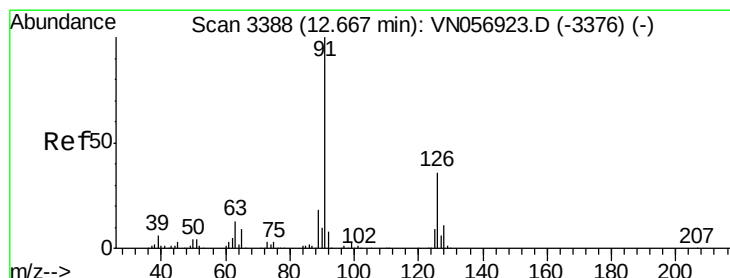
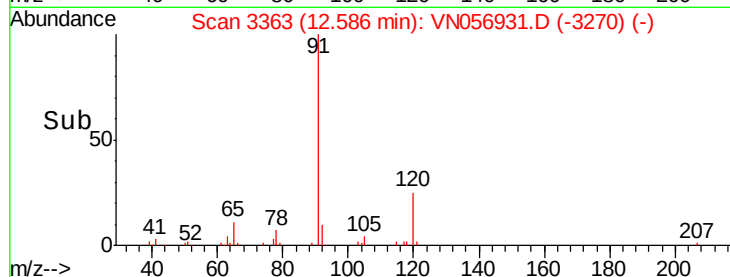
0

12.55

12.60

12.65

Time-->



#79

2-Chlorotoluene

Concen: 2.832 ug/l

RT: 12.67 min Scan# 3388

Delta R.T. 0.00 min

Lab File: VN056931.D

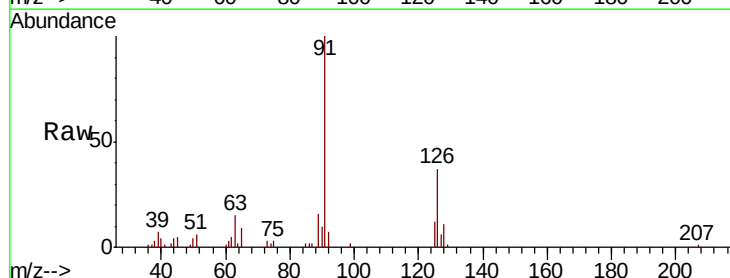
Acq: 25 Jul 2019 20:04

Tgt Ion: 91 Resp: 29189

Ion Ratio Lower Upper

91 100

126 36.7 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

25000

20000

15000

10000

5000

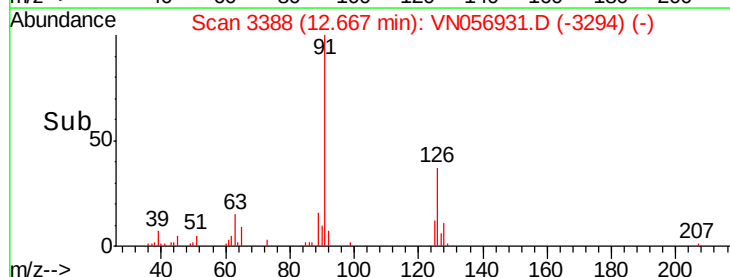
0

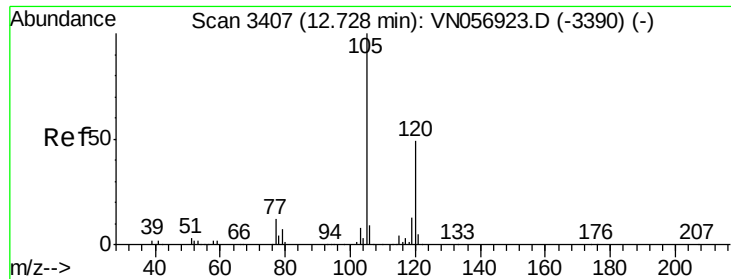
12.60

12.65

12.70

Time-->

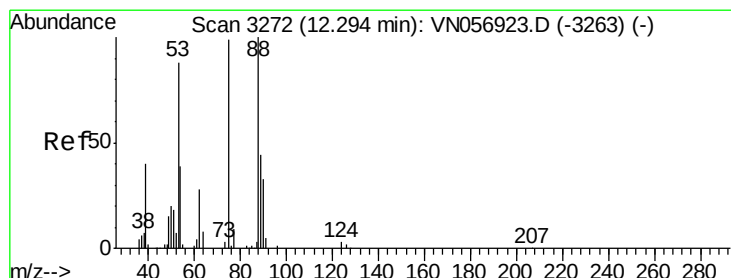
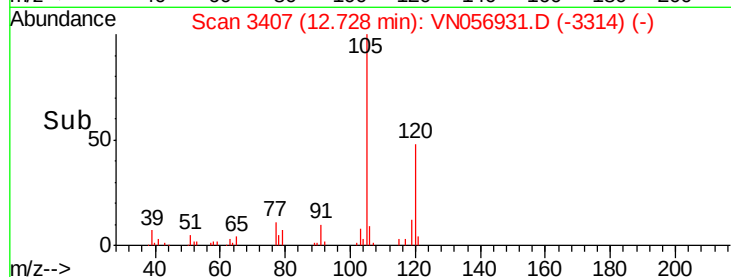
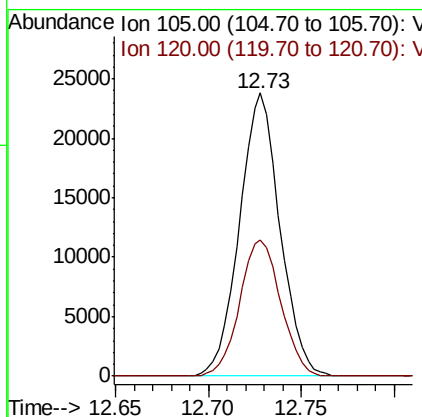
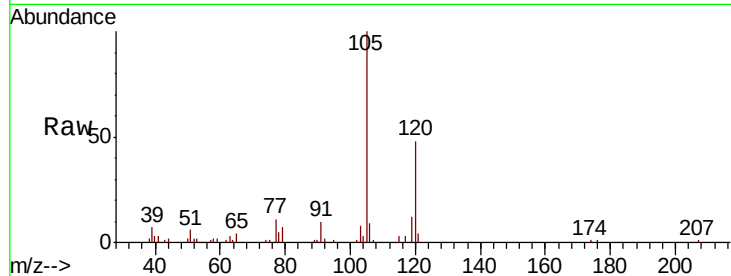




#80
 1,3,5-Trimethylbenzene
 Concen: 2.776 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. -0.00 min
 Lab File: VN056931.D
 Acq: 25 Jul 2019 20:04

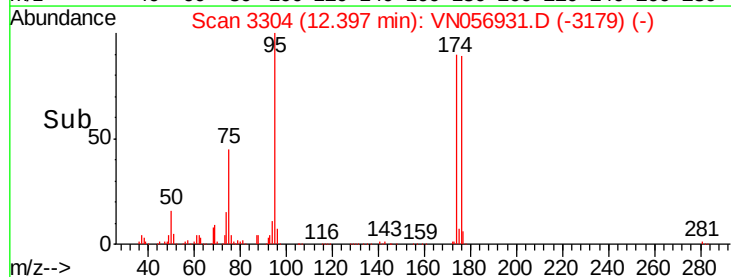
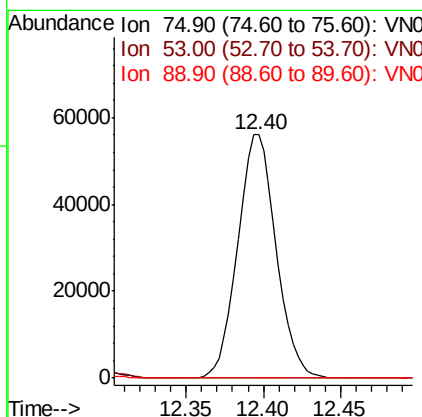
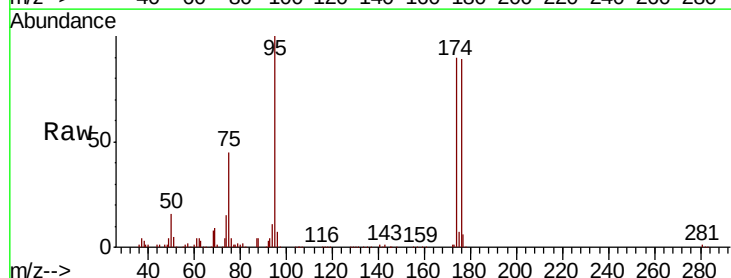
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

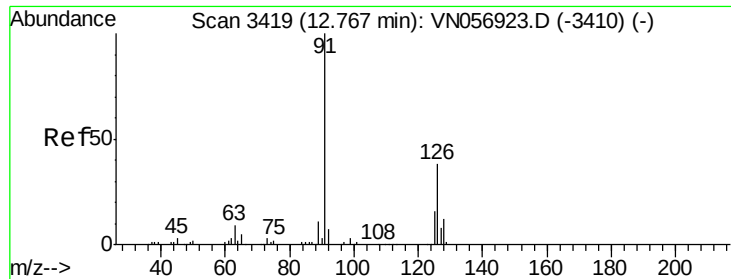
Tot Ion:105 Resp: 35937
 Ion Ratio Lower Upper
 105 100
 120 48.8 24.9 74.7



#81
 trans-1,4-Dichloro-2-butene
 Concen: 88.387 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.10 min
 Lab File: VN056931.D
 Acq: 25 Jul 2019 20:04

Tgt Ion: 75 Resp: 96653
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.3 108.5#
 89 0.0 36.2 54.2#





#82

4-Chlorotoluene

Concen: 2.519 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN056931.D

Acq: 25 Jul 2019 20:04

Instrument :

MSVOA_N

ClientSampleId :

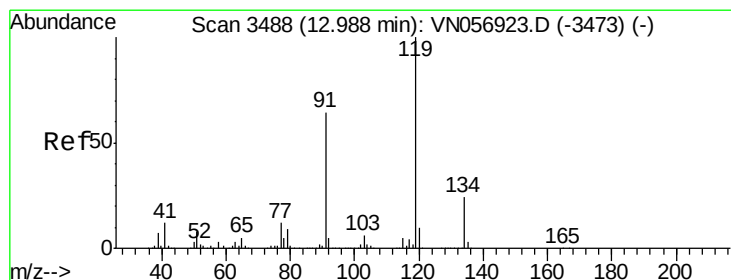
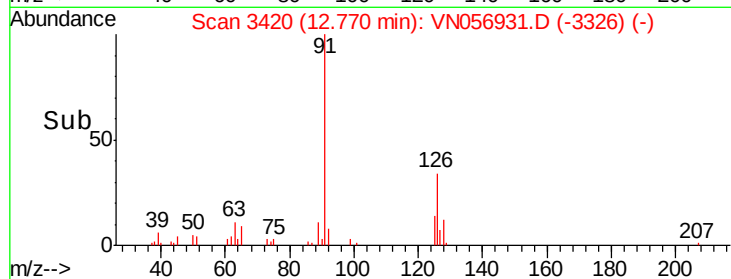
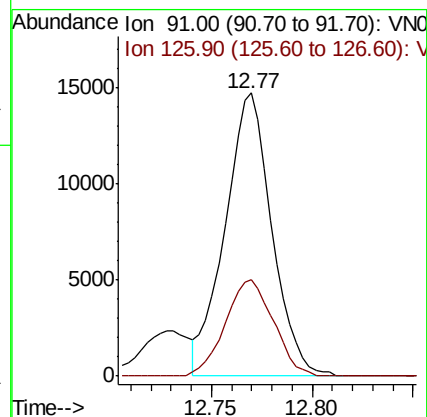
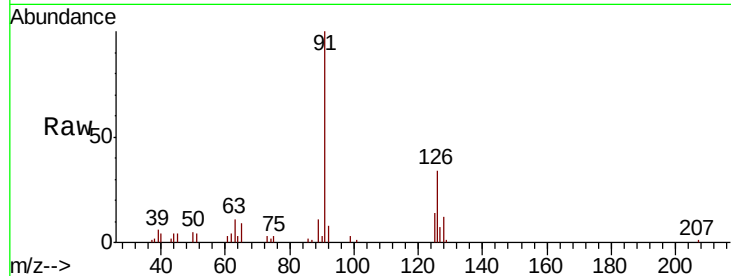
LOD-MDL-WATER-01-QT3-2019

Tot Ion: 91 Resp: 23860

Ion Ratio Lower Upper

91 100

126 35.0 17.3 51.7



#83

tert-Butylbenzene

Concen: 2.831 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. 0.00 min

Lab File: VN056931.D

Acq: 25 Jul 2019 20:04

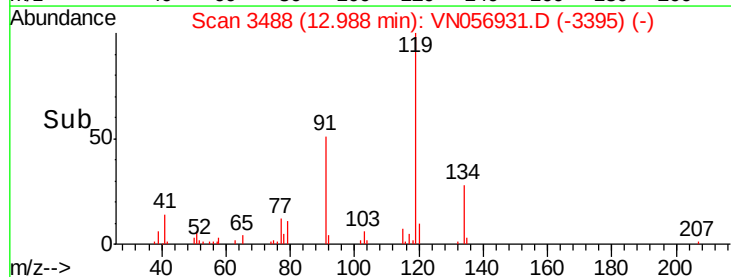
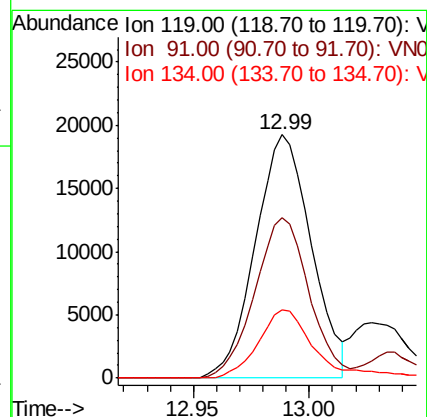
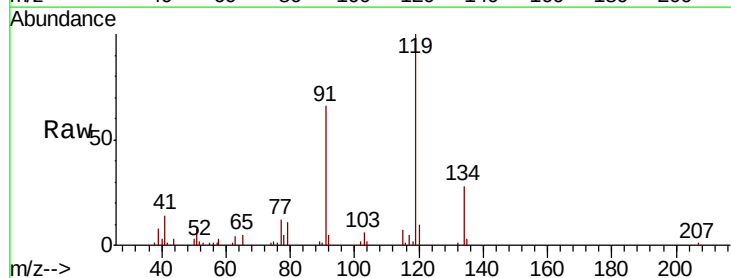
Tgt Ion: 119 Resp: 32294

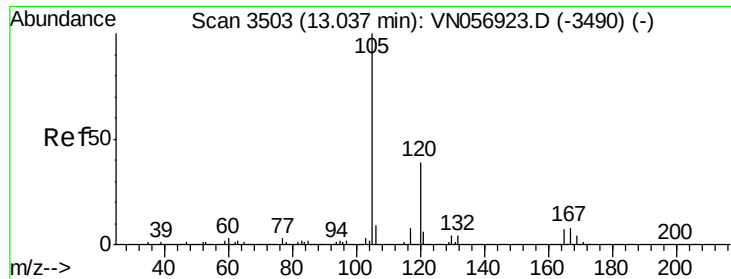
Ion Ratio Lower Upper

119 100

91 63.9 31.6 95.0

134 28.5 13.2 39.5

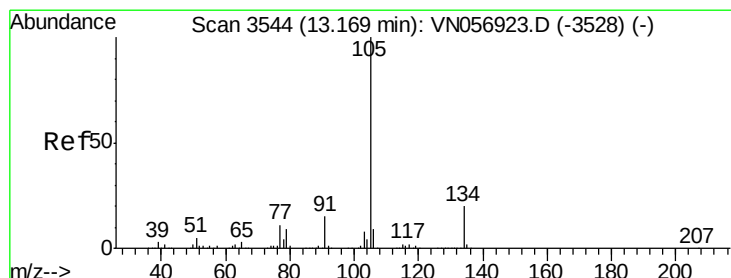
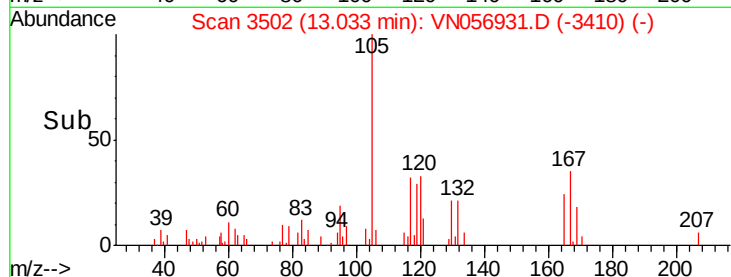
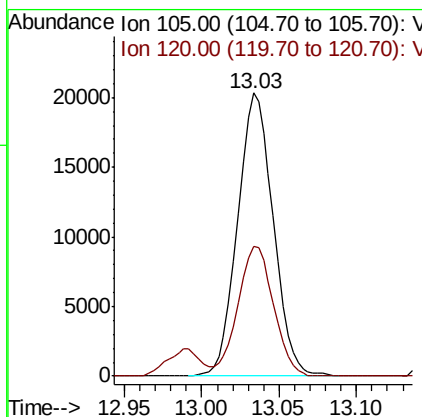
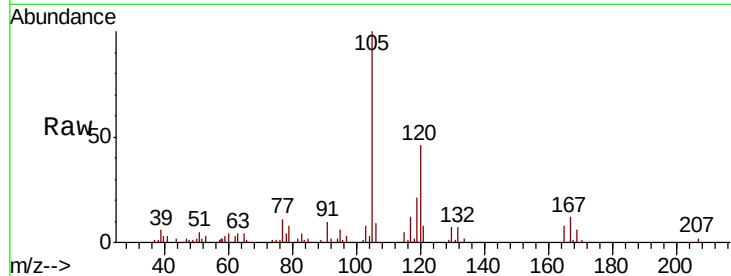




#84
 1,2,4-Trimethylbenzene
 Concen: 2.651 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. -0.00 min
 Lab File: VN056931.D
 Acq: 25 Jul 2019 20:04

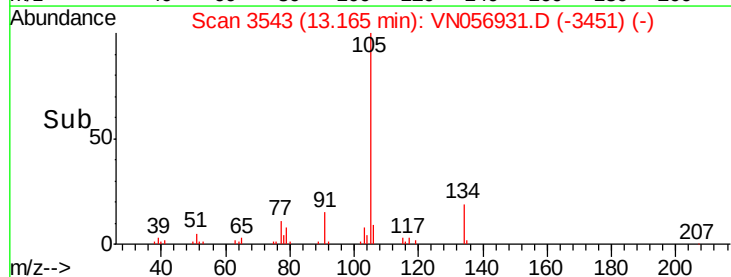
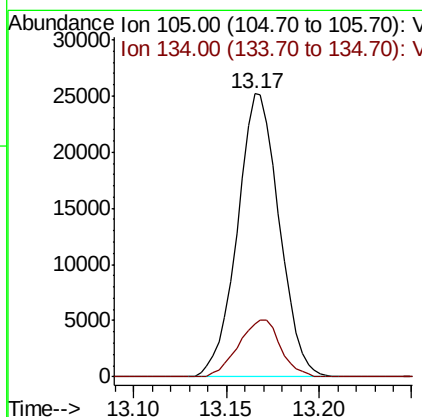
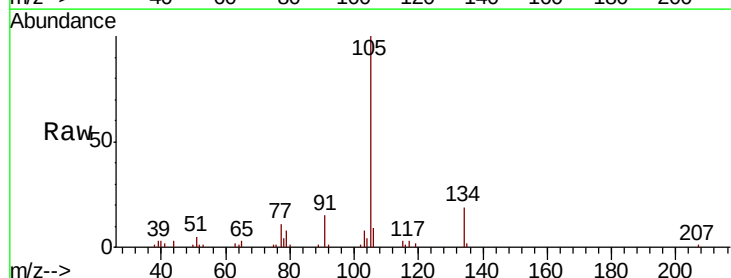
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

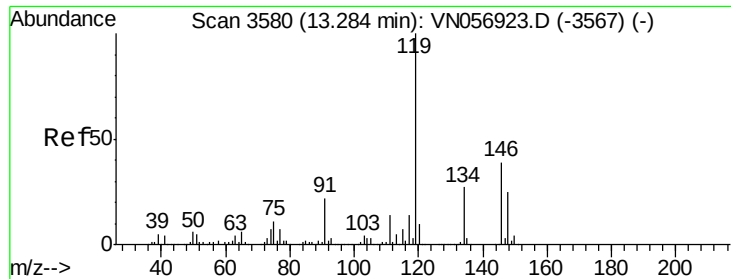
Tot Ion:105 Resp: 32503
 Ion Ratio Lower Upper
 105 100
 120 45.6 23.1 69.2



#85
 sec-Butylbenzene
 Concen: 2.729 ug/l
 RT: 13.17 min Scan# 3543
 Delta R.T. -0.00 min
 Lab File: VN056931.D
 Acq: 25 Jul 2019 20:04

Tgt Ion:105 Resp: 39370
 Ion Ratio Lower Upper
 105 100
 134 20.0 10.3 30.8

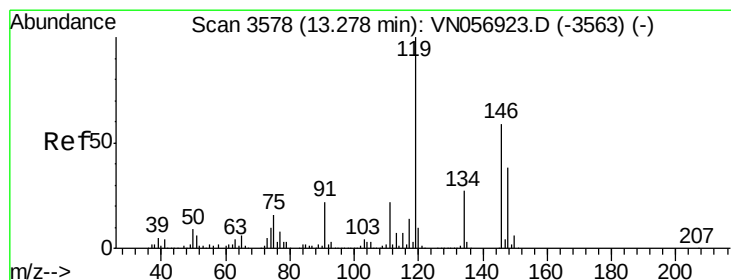
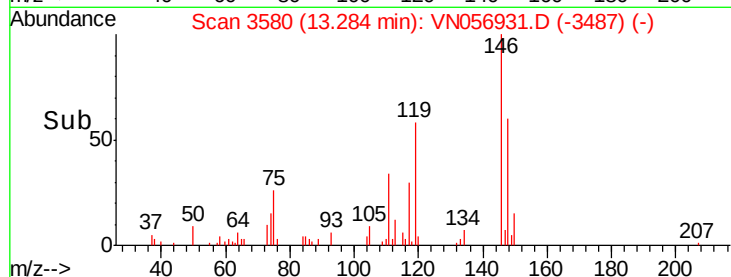
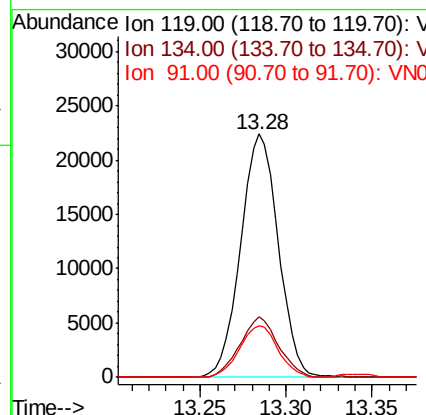
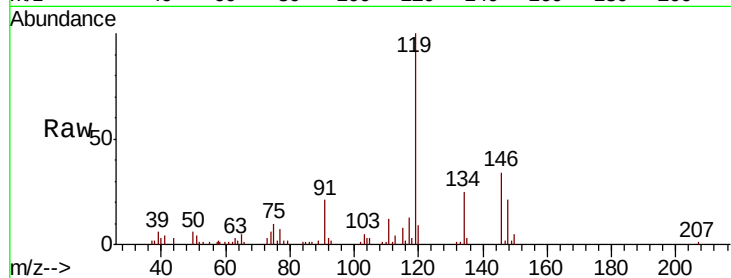




#86
 p-Isopropyltoluene
 Concen: 2.677 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN056931.D
 Acq: 25 Jul 2019 20:04

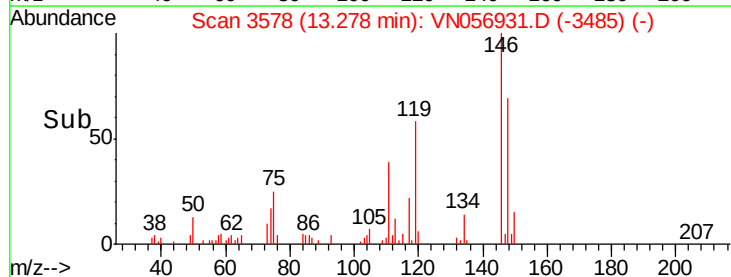
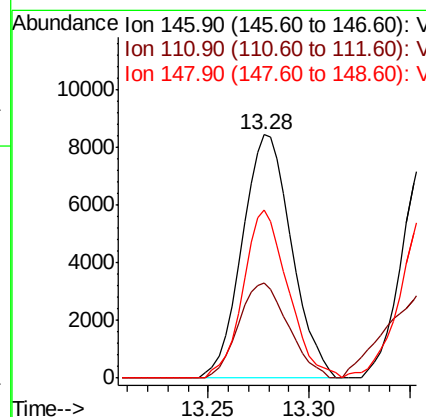
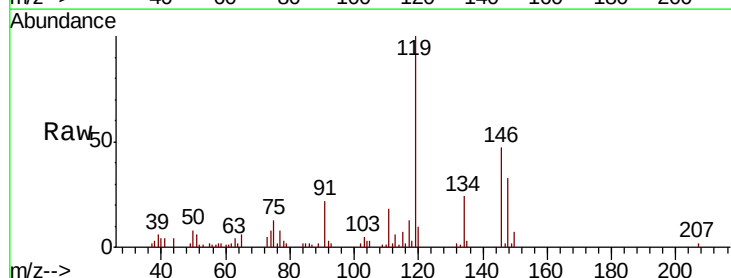
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

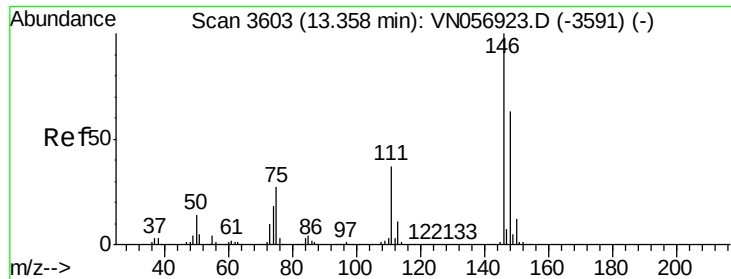
Tot Ion	Ratio	Lower	Upper
119	100		
134	25.0	13.5	40.5
91	21.6	11.0	33.0



#87
 1,3-Dichlorobenzene
 Concen: 2.410 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.00 min
 Lab File: VN056931.D
 Acq: 25 Jul 2019 20:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	18.6	56.0
148	62.8	31.6	94.7





#88

1,4-Dichlorobenzene

Concen: 2.354 ug/l

RT: 13.36 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN056931.D

Acq: 25 Jul 2019 20:04

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

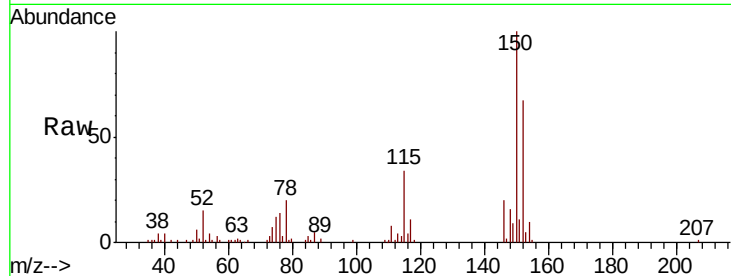
Tot Ion:146 Resp: 13514

Ion Ratio Lower Upper

146 100

111 50.7 18.9 56.5

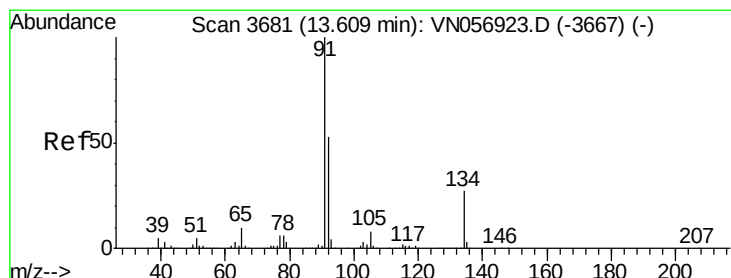
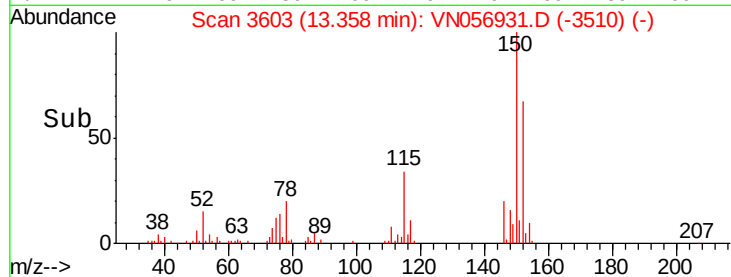
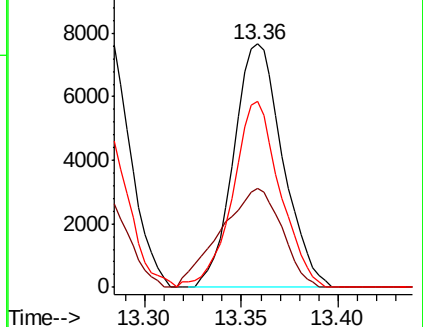
148 73.6 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 2.299 ug/l

RT: 13.61 min Scan# 3681

Delta R.T. -0.00 min

Lab File: VN056931.D

Acq: 25 Jul 2019 20:04

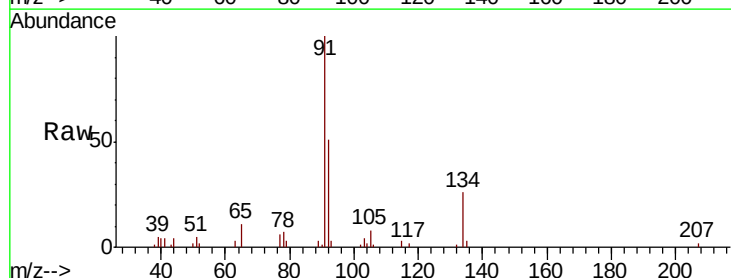
Tgt Ion: 91 Resp: 22637

Ion Ratio Lower Upper

91 100

92 50.8 26.5 79.5

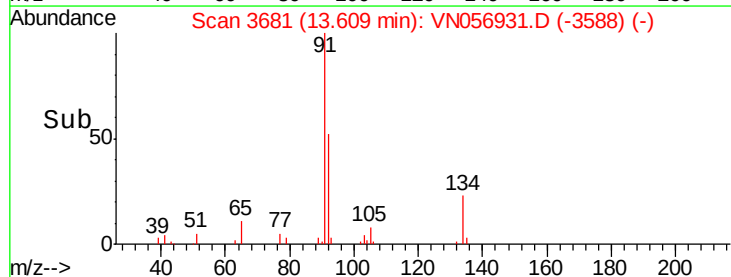
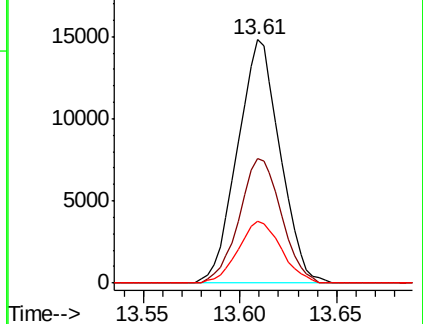
134 25.7 13.5 40.5

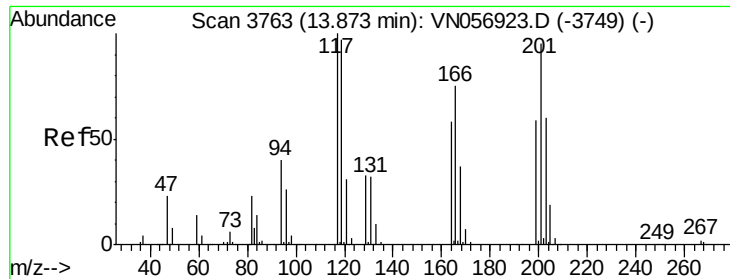


Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 2.811 ug/l

RT: 13.87 min Scan# 3762

Delta R.T. -0.00 min

Lab File: VN056931.D

Acq: 25 Jul 2019 20:04

Instrument :

MSVOA_N

ClientSampleId :

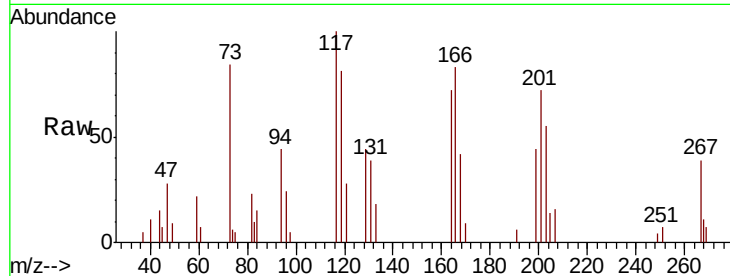
LOD-MDL-WATER-01-QT3-2019

Tot Ion:117 Resp: 6342

Ion Ratio Lower Upper

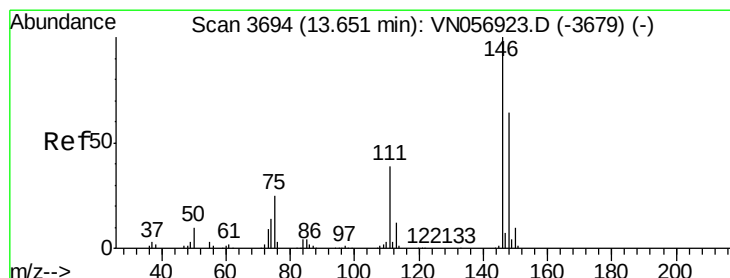
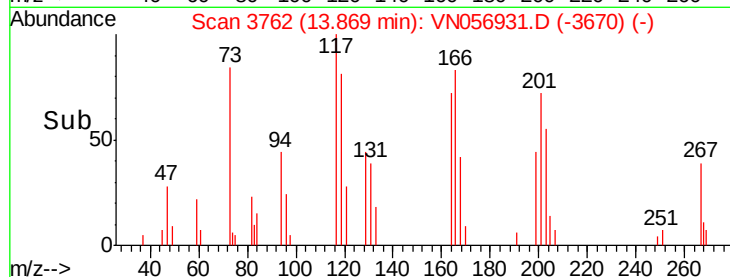
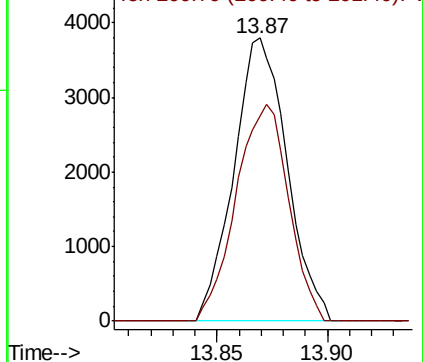
117 100

201 75.7 47.3 142.0



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 2.524 ug/l

RT: 13.65 min Scan# 3693

Delta R.T. -0.00 min

Lab File: VN056931.D

Acq: 25 Jul 2019 20:04

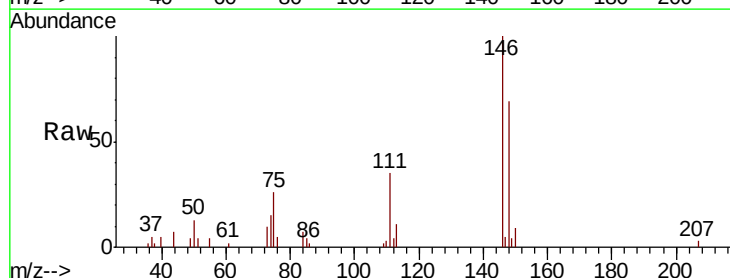
Tgt Ion:146 Resp: 15325

Ion Ratio Lower Upper

146 100

111 38.6 19.6 58.8

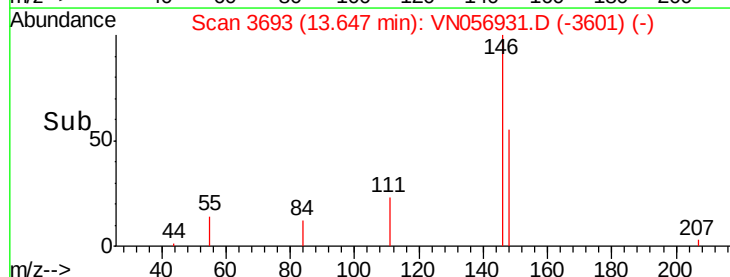
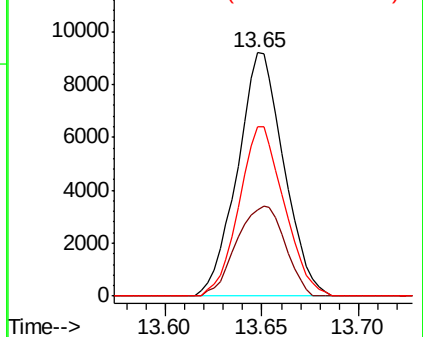
148 67.7 32.2 96.6

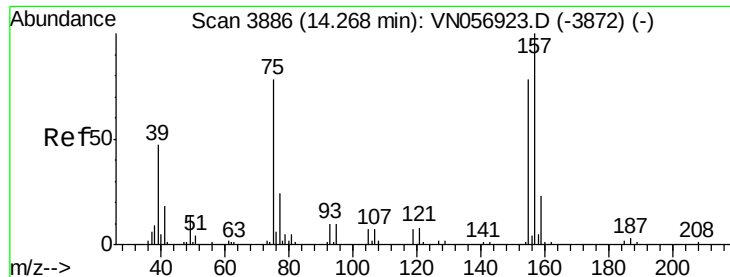


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

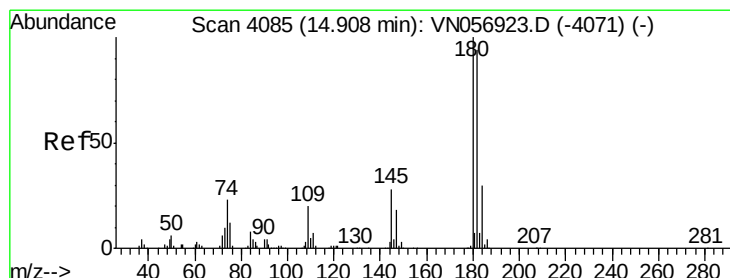
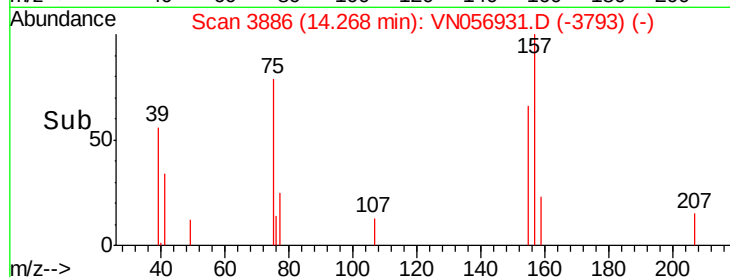
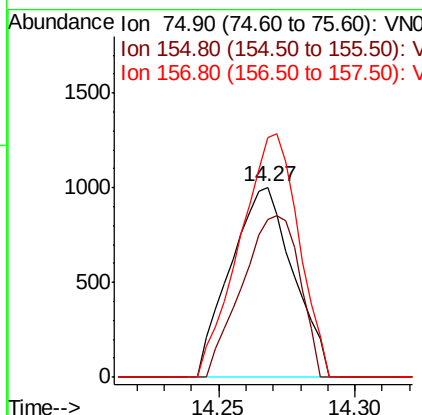
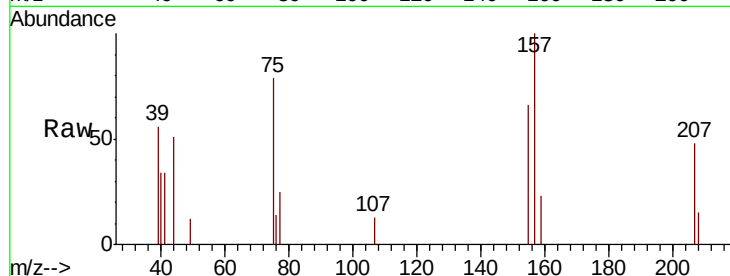




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.587 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN056931.D
 Acq: 25 Jul 2019 20:04

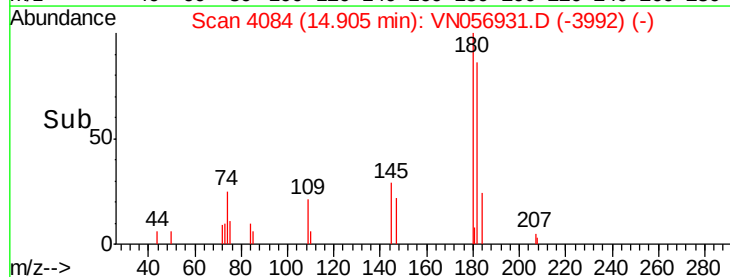
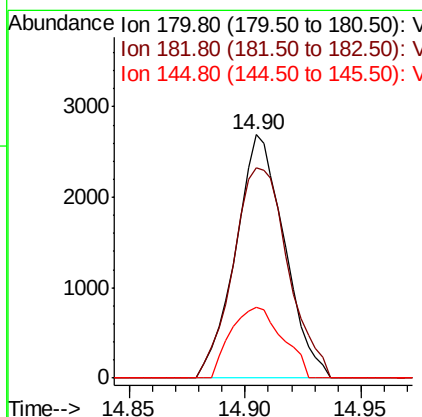
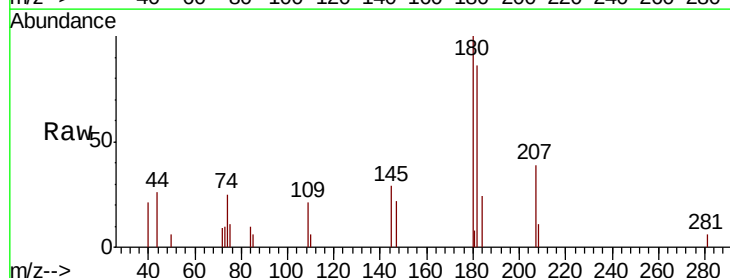
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

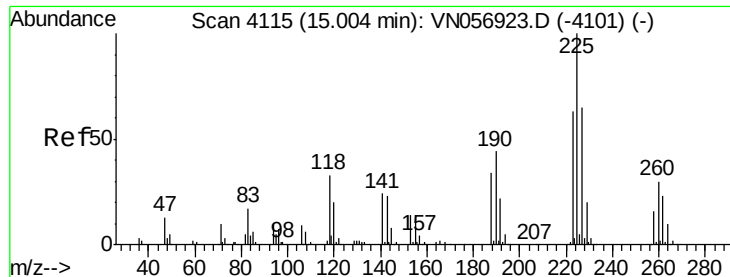
Tot Ion: 75 Resp: 1595
 Ion Ratio Lower Upper
 75 100
 155 78.6 47.3 141.9
 157 120.4 63.0 189.0



#93
 1,2,4-Trichlorobenzene
 Concen: 1.573 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN056931.D
 Acq: 25 Jul 2019 20:04

Tgt Ion: 180 Resp: 3945
 Ion Ratio Lower Upper
 180 100
 182 96.9 47.9 143.8
 145 30.7 14.1 42.4





#94

Hexachlorobutadiene

Concen: 2.831 ug/l

RT: 15.00 min Scan# 4115

Delta R.T. 0.00 min

Lab File: VN056931.D

Acq: 25 Jul 2019 20:04

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2019

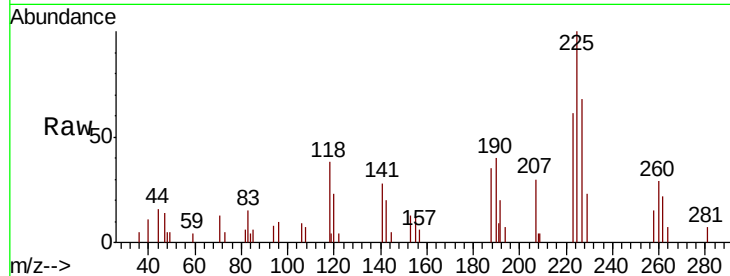
Tot Ion:225 Resp: 6938

Ion Ratio Lower Upper

225 100

223 62.2 31.3 93.9

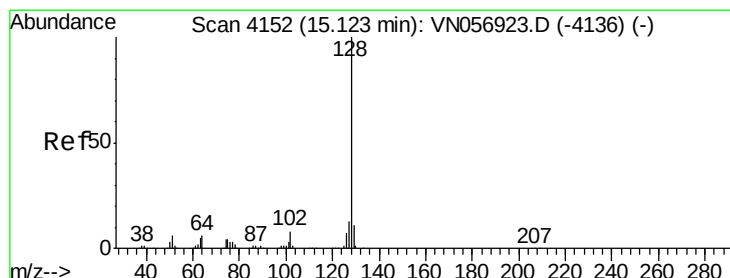
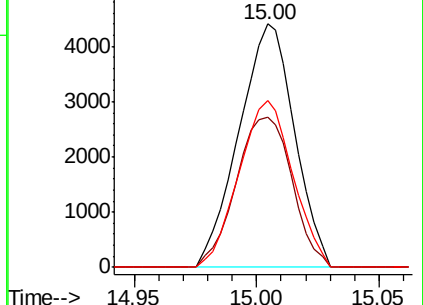
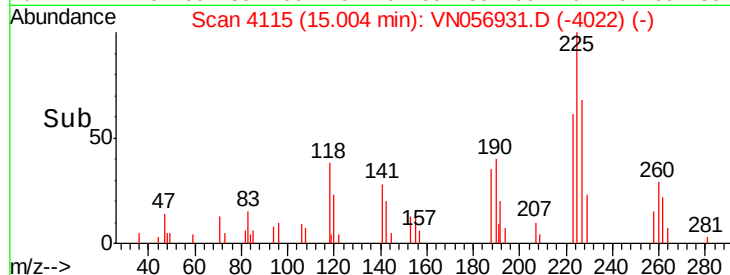
227 66.5 31.9 95.7



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 1.726 ug/l

RT: 15.12 min Scan# 4151

Delta R.T. -0.00 min

Lab File: VN056931.D

Acq: 25 Jul 2019 20:04

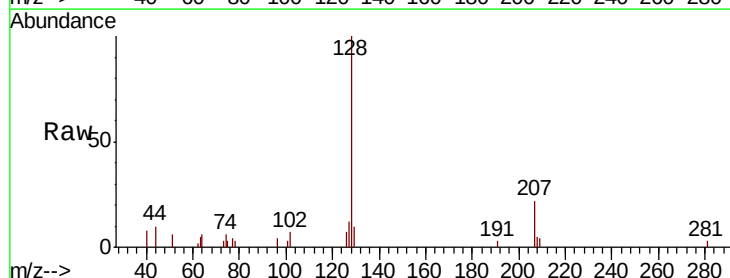
Tgt Ion:128 Resp: 10950

Ion Ratio Lower Upper

128 100

127 10.4 10.2 15.2

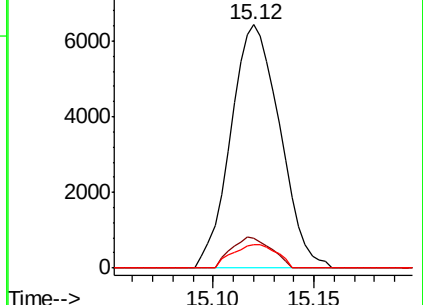
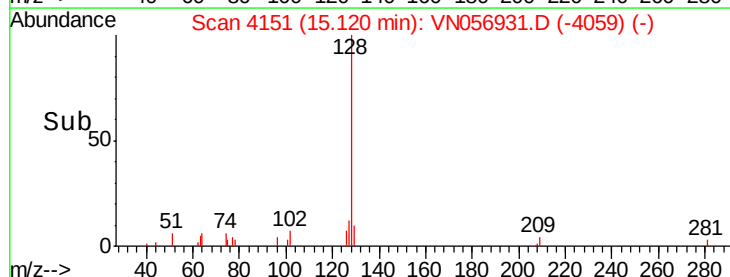
129 8.6 8.6 13.0#

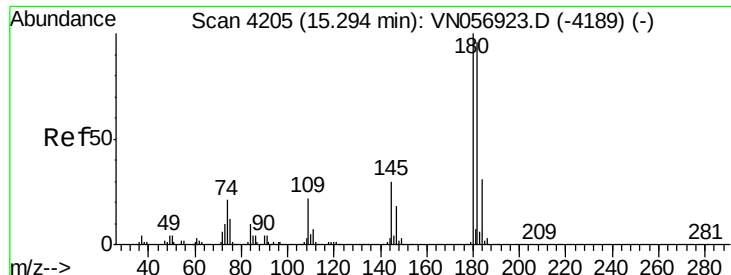


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

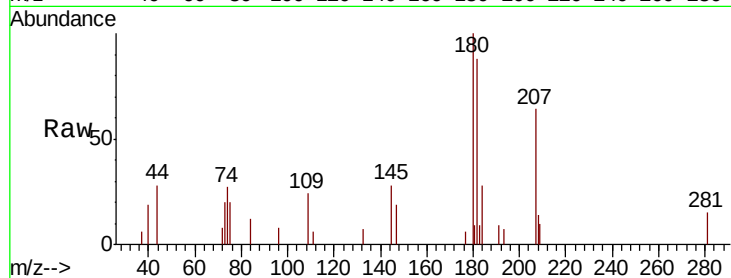




#96
 1,2,3-Trichlorobenzene
 Concen: 1.681 ug/l
 RT: 15.29 min Scan# 4203
 Delta R.T. -0.01 min
 Lab File: VN056931.D
 Acq: 25 Jul 2019 20:04

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2019

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.3	48.4	145.3
145	29.8	15.1	45.3



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

